Amateur Radio Trader®

The Ham Radio MarketPlace™

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Only ONE more stop on Art's DXpedition

You STILL have time to get in on this **HUGE** contest! Art only has ***one more stop*** before he reaches his final destination! Do you have all the clues? If not, just send us a self-addressed, stamped envelope, and we'll send them to you! When you get all the clues, fill out your entry form and send it to us. **But you have to hurry!** It must be postmarked before Nov. 29, 1997.

DON'T MISS OUT!

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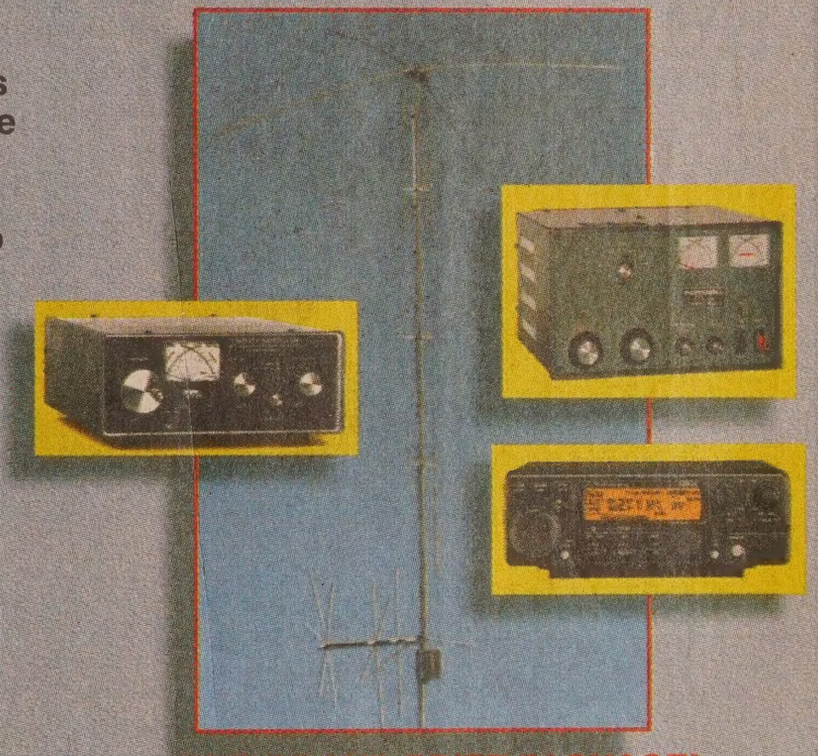

THE GRAND PRIZE PACKAGE!

Get your copy of the **COMPLETE MFJ CATALOG** in the next issue!

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US MILITARY APPROVED MIL-SPEC 810

The foremost in top-performing, durable, dual band handhelds now includes the FTT-12 DTMF keypad with CTCSS enc/dec, DCS enc/dec, DVRS and paging/coded squelch. Manufactured to rigid commercial grade standards, the FT-50RD is the only amateur dual band HT to achieve a MIL-STD 810 rating. Already a winner; the deluxe keypad makes this stand-out HT even better! Water-resistant construction uses weather-proof gaskets to seal major internal components against the corrosive action of dust and moisture. And, the rugged FT-50RD withstands shock and vibration, so throw it in with your gear!

Exclusive features set the FT-50RD apart, too. Wide Band Receive includes 76-200 MHz (VHF), 300-540 (UHF), and 590-999 MHz*. Dual Watch checks sub-band activity while receiving on another frequency, then when a signal is detected, shifts operation to that frequency. Digital Battery Voltage displays current operating battery voltage. Digital Coded Squelch (DCS) silently monitors busy channels. Auto Range Transpond System™ (ARTS™) uses DCS to allow two radios to track one another. And, the FT-50RD is ADMS-1C Windows™ PC programming compatible, too. To round out the FT-50RD, it has four battery savers, and super loud audio—remarkable in an HT this size.

A reliable companion where ever you go, the FT-50RD is one tough little dual bander with all the features you want!

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FT-10/40R
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Specifications subject to change without notice. Specifications guaranteed only within amateur bands. Some accessories and/or options are standard in certain areas. Check with your local Yaesu dealer for specific details. *Cellular blocked

Look on the brighter side of handhelds

Kenwood's new TH-G71A dual-bander (144MHz/440MHz), with its distinctive illuminated keypad and 6 watts of power, has what it takes to shine in any situation.

TH-G71A 144/440/MHz FM DUAL BANDER

If you're looking for a compact dual-bander with all the right features, yet without the price tag that usually goes with high performance, there's no better choice than the TH-G71A.

Just hold it in your hand and it's immediately clear how well our new handheld transceiver is engineered. The ergonomic design, **illuminated keys** and **backlit display** all combine to make operation a breeze. As does the menu mode, which allows you to customize the TH-G71A by adjusting all major settings to your choice. Besides being easy to use, it also boasts extraordinary power – up to 6 watts (VHF) or 5.5 watts (UHF) of RF output (selectable) with its **high-performance antenna.** The speaker provides **powerful, refreshingly clear audio.**

Of course, power is only part of the picture. Features count. And you can count on the TH-G71A to offer what you'd only expect to find in far more expensive HTs. There are **200 memory channels** – allowing you to store transmit and receive frequencies independently. Memory data can even be edited and stored on your PC. Multiple scan functions are available, including programmable band scan, memory scan with memory channel lock-out, MHz scan and call scan. For each band there are TO (time-operated), CO (carrier-operated) and seek scan resume modes. With the Memory Name function you can choose to identify each channel with up to **6 alphanumeric characters.** DTMF memory and CTCSS tone encode/decode are provided.

The TH-G71A also scores well for stamina and reliability, boasting long battery life – thanks to a variety of power-saving features – and **MIL-STD 810E** compliance for rain & shock resistance. So there's no need to go easy on this dual-bander. It's built better and brighter in every way.

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- **PC programmable**
- **200 memory ch. with alphanumeric display**
- **MIL-STD 810E (rain & shock)**
- **CTCSS tone scan**
- **Wide-range coverage (incl. aircraft receive)***
- **DTMF memory (10 ch. up to 16 digits)**
- **Multiple scan modes**
- **Key illumination**
- **High-performance antenna**
- **HI/LOW/EL power output selectable**
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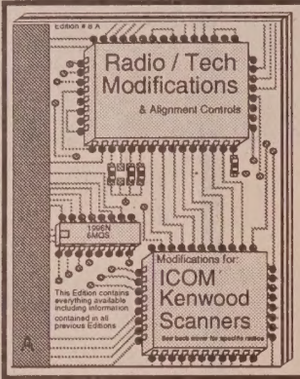
Amateur Radio Books

From artsci



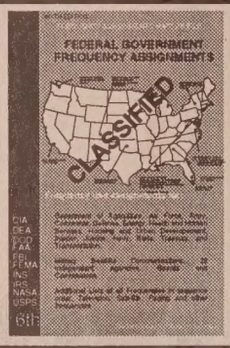
☐ RADIO/TECH MODIFICATIONS 9A & 9B - $19.95 EACH

Volume _A contains modification information for ICOM, Kenwood, and a wide variety of scanners. Volume _B contains modification information for Alinco, Standard, Yeasu, CB, and other radio modification information.

Modifications are presented that increase the radio's frequency transmit and reception coverage. Many of the modifications will allow a radio or scanner to monitor cellular phone calls.

The set is updated yearly to include the latest and greatest radios. The timely and accurate information they contain makes it easy for most people to expand their frequency coverage. Previous version are not needed since all available information is included in each edition.

New for 1997



☐ FEDERAL ASSIGNMENTS - $ 24.95

Listen in on FBI, CIA & Big Brother

Big brother doesn't stand a chance when the people can tap into the government's secret radio frequencies. Find out what the FBI, CIA or Secret Service is up to. Think the military is up to something, tune in and listen to what's going on.

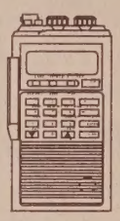
This book is a communications cornucopia of frequencies for the Federal agencies and the military. 302 pages is organized by both frequency and agency for easy use.

All available government "SECRET" frequencies are listed for the serious listener. Secret service, CIA and FBI are just a few of the US government agencies that are listed in the book.

☐ LOST USER MANUALS - $19.95

Lost the manual for your HT or Mobile rig? Did you purchase a used radio and it did not come with a manual? Do you have the manual but still can't work the radio quickly?

It contains operating instructions for all the popular amateur radios and scanners. ICOM, Yaesu, Kenwood, Alinco, Standard, Uniden and other manufacturers' radios. Each radio is given 2 to 5 pages of drawings, charts and programming instructions. Over 140 Pages



Alinco	Kenwood	ICOM	Yaesu
ALD-24T	TH-21A	IC-02AT	FT-23R
DJ-160T	TH-25A	IC-2A	FT-33R
DJ-560	TH-31A	IC-2GAT	FT-73R
	TH-41A	IC-2SAT	FT-109
Uniden	TH-45A	IC-2SRA	FT-209
BC-100	TH-55A	IC-03AT	FT-211
BC-200	TH-215	IC-3A	FT-212
BC-560	TH-315	IC-3SAT	FT-227R
BC-590	TH-415	IC-04AT	FT-290
BC-760	TM-221	IC-4A	FT-411
	TM-231	IC-4GAT	FT-470
	TM-321	IC-4SAT	FT-709
	TM-421	IC-4SRA	FT-711
	TM-431	IC-12AT	FT-712RH
	TM-521	IC-12GAT	FT-727
	TM-531	IC-24A	FT-811
	TM-621	IC-27A	FT-911
	TM-631	IC-37A	FT-2311
	TM-721	IC-47A	FT-2700
	TM-731	IC-900	FT-4700
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	TM-3530		
	TR-751		
	TR-851		$ 19.95
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☐ NORTH AMERICAN SHORTWAVE DIRECTORY - $19.95

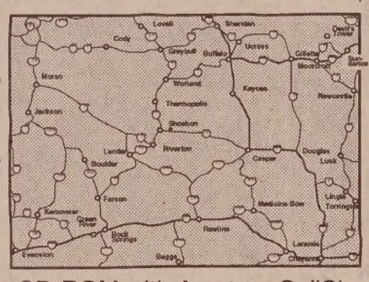
Tuning in the world on short-wave is easy with these comprehensive and organized lists of broadcast stations. These stations, from most countries of the world, are shown with maps and in tables listed by time and frequency.

There is no easier way to enjoy the endless diversity of the world than by listening to shortwave broadcasts.

The variety of music and entertainment is enormous when you have over 100 countries from which to choose. The differing views of news and opinions opens ones mind to the vast needs and priorities to be found on our ever smaller world.

Eight pages of world maps are included that show each countries popular frequencies. The larger type frequency lists makes reference easier for the young and old alike.

☐ U.S. REPEATER MAPBOOK - $ 9.95



This fifth edition MapBook™ is a perfect travelling companion. The Mapbook contains thousands of open repeaters throughout the U.S.,Canada and Mexico.

NEW DETAILED maps show all highways and major cities in each state. Local repeaters are shown right on the map page in easy to read type. Its never been simplier to find a local frequency while traveling down the road.

NEW table listing of every know open repeater, PL tones and autopatch information are now included. 10, 6, and 2 meter, 220, 440 MHz and 1.2 GHz repeaters.

☐ CD-ROM with Amateur CallSign database & Open Repeaters & Repeater Mapbook!! $ 29.95

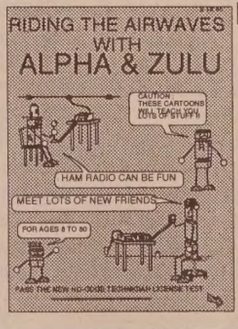
☐ AMATEUR HAMBOOK - $ 14.95

Its all here in one handy book. All the technical information, and construction plans needed for amateur radio operation using detailed drawings.

If you have ever wondered how to built an antenna, solder a coax connector or earn a Worked all States (WAS) award its here in simple to read graphic drawings.

- This book will help you keep track of what equipment you have purchased. The Equipment log on page 4 will be invaluable if anything is ever stolen.
- How many states have you worked on 40 Meters? See page 28.

The Book used by Bob Simpleton to write his Guides..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- CP50 available in UHF and VHF
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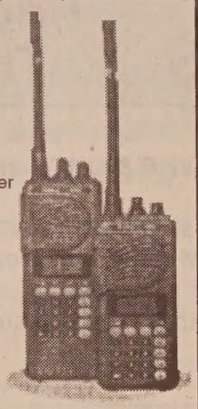

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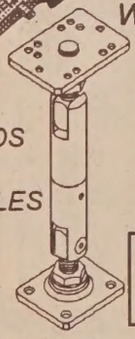

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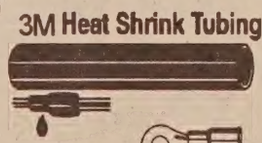
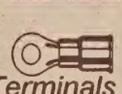
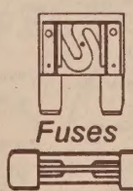




Wire Terminals



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BOB SIMPLETON'S GUIDE TO TEXAS (EAST) REPEATERS

brought to you by *Amateur Radio Trader*

Repeaters are one of the most exciting aspects of amateur radio. They make VHF & UHF communication cleaner and easier over long distance. They are also fun to build and experiment with.

Over the next few months, the Amateur Radio Trader will be presenting repeater maps for all fifty states. These maps are available in book form at your local Amateur radio store. Free listings of repeaters in each state is availble on the internet at http://www.artscipub.com. Forms to update repeater information are available on the internet at the same URL or you can use the form below All the maps and listing are available in the U.S. Repeater MapBook.

Update Form

Your Name_____

Call Sign _____

Address_____

City_____ St. Zip

Phone # ( )

Relation to Repeater_____ (System owner, User, etc)

Date:_____

Frequency / Repeater_____ MHz

System Location :

State_____

Nearest Major City_____

Direction from City N, NE, E, SE, S, SW, W, NW

Rep. Call Sign _____

Comments, (linked to, etc.) _____

Help data entry- use http://www.artscipub.com/repedit.html

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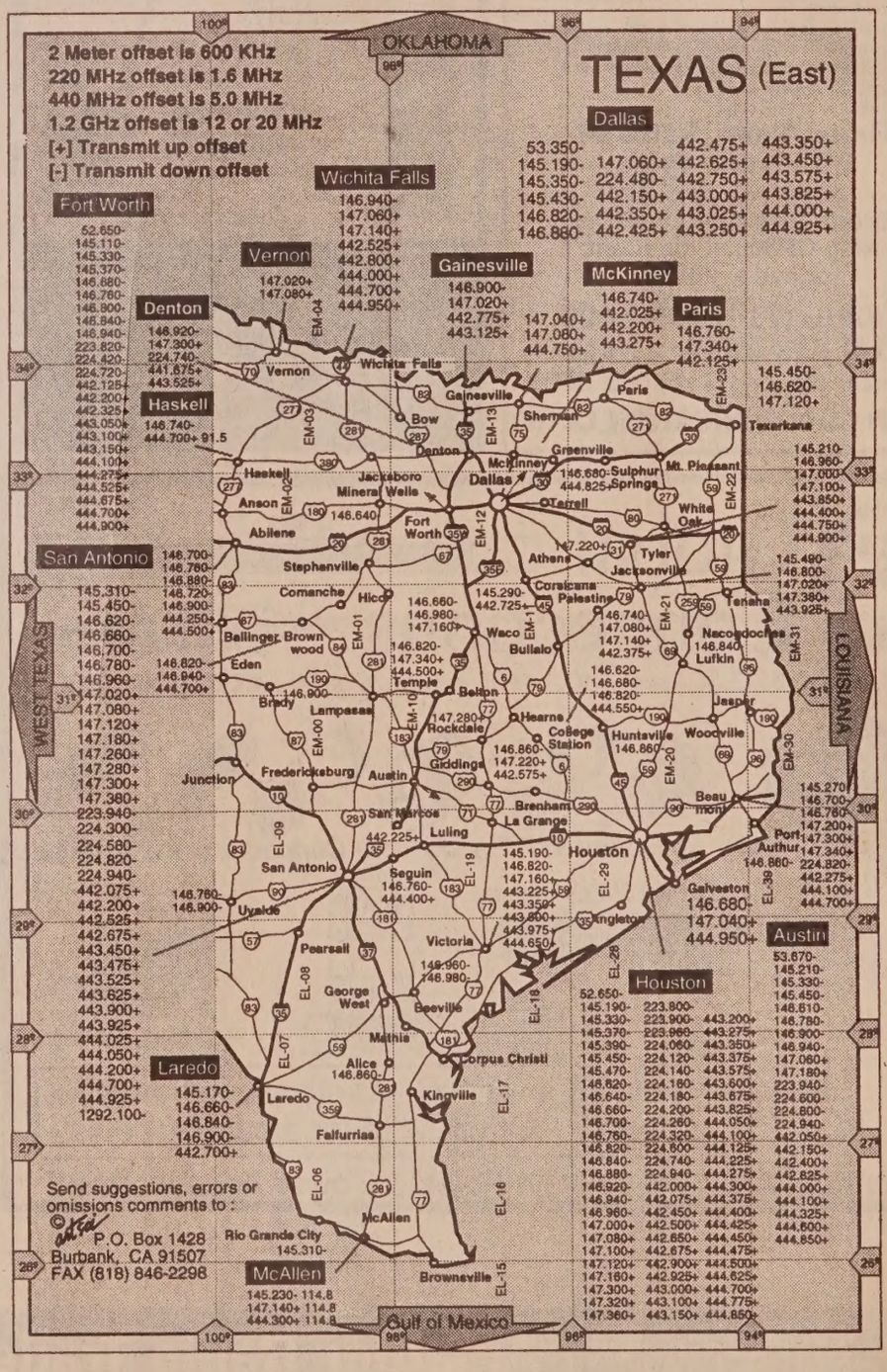

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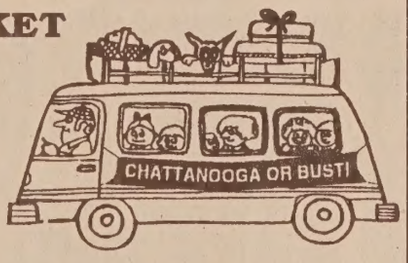

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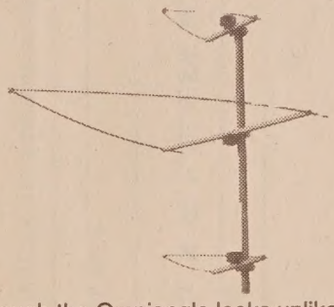

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Update Form

Date:_____

Frequency / Repeater_____ MHz

System Location :

State_____

Nearest Major City_____

Direction from City N, NE, E, SE, S, SW, W, NW

Rep. Call Sign_____

Comments, (linked to, etc.) _____

Help data entry- use http://www.artscipub.com/repedit.html

Your Name_____

Call Sign _____

Address_____

City_____ St. Zip

Phone #( )

Relation to Repeater_____ (System owner, User, etc)

Mail To:
Repeater Update
(818) 843-4080
(818) 846-2298 FAX
P.O. Box 1428
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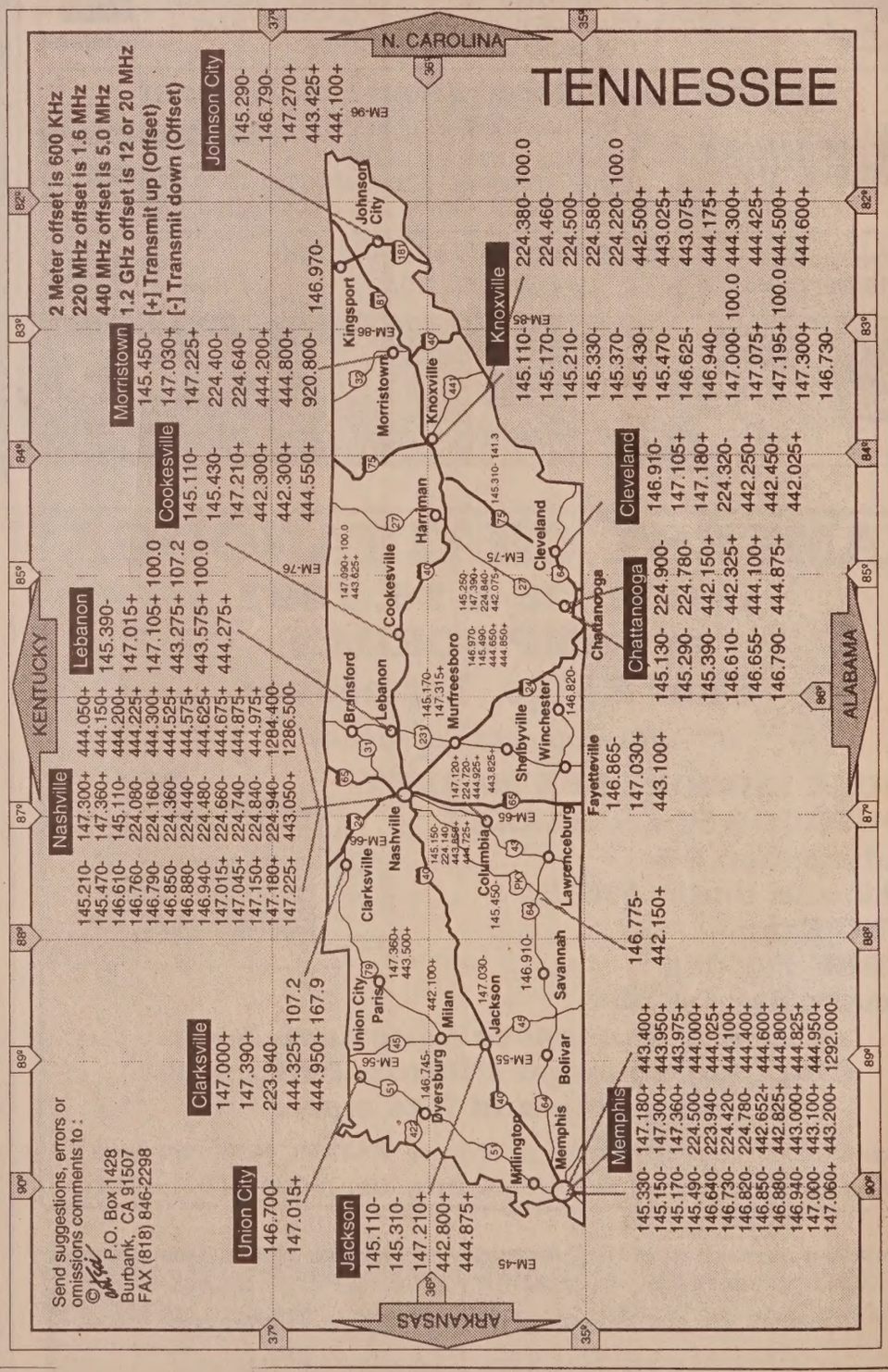

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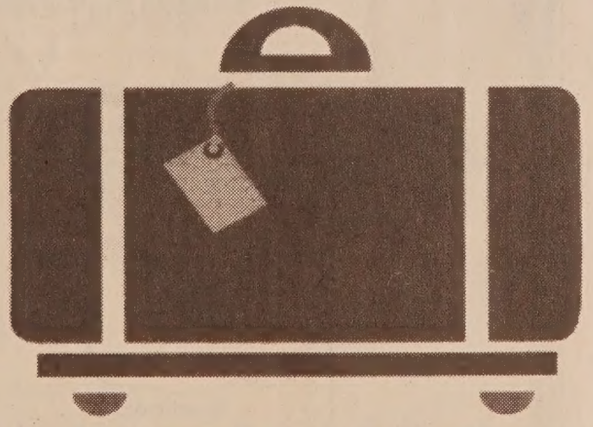

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Your Name _____
Call Sign _____
Address _____
City _____ St. _____ Zip _____
Phone # ( )
Relation to Repeater _____ (System owner, User, etc)

Date: _____
Frequency / Repeater _____ MHz
System Location :
State _____
Nearest Major City _____
Direction from City N, NE, E, SE, S, SW, W, NW
Rep. Call Sign _____
Comments, (linked to, etc.) _____

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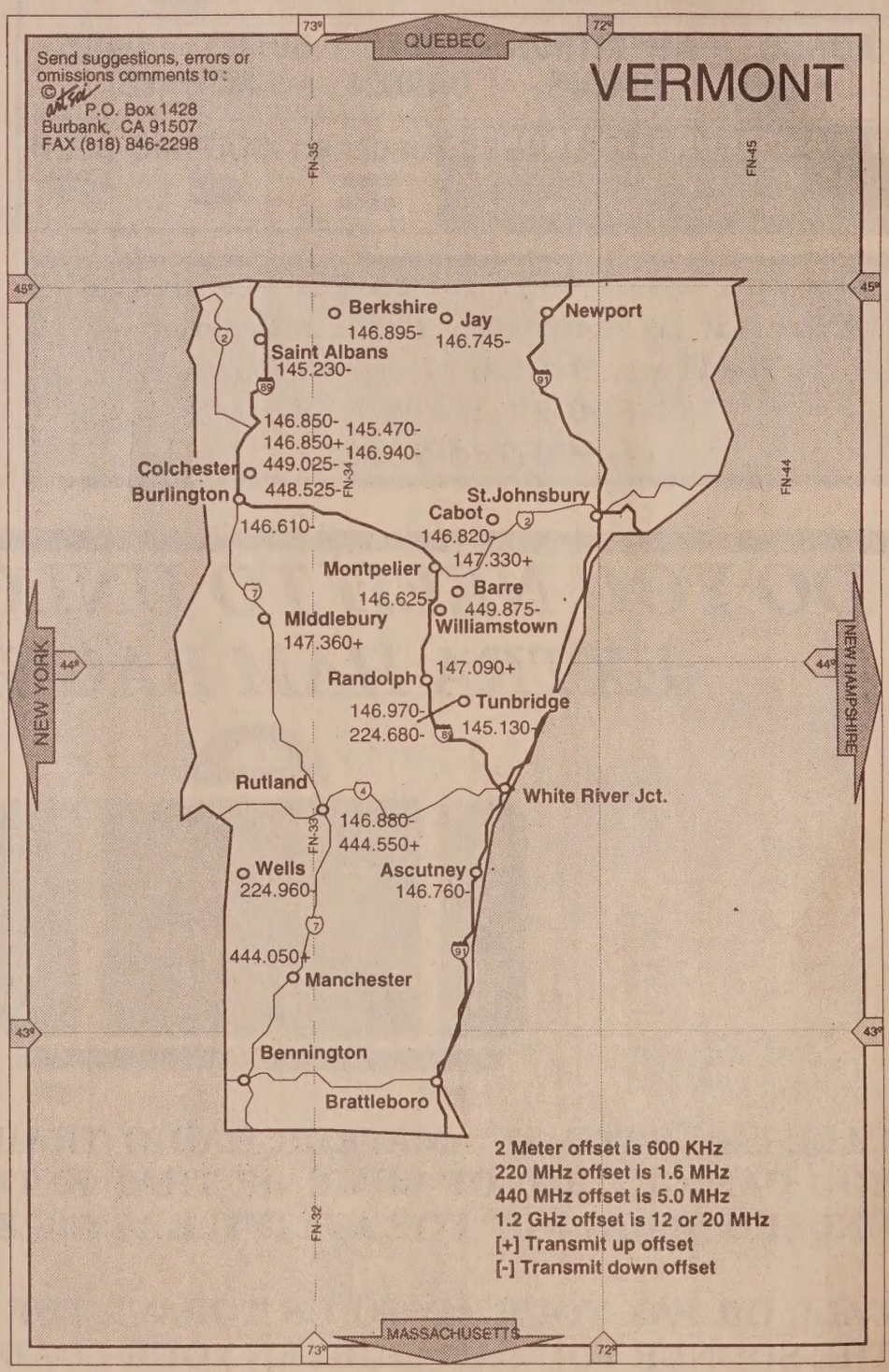

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Full Duplex cross-band operation with CTCSS encode/decode
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1200-9600 packet interface
Antenna Triplexer Built-in one antenna for all bands
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Left band 44.000 - 99.995 MHz
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240.000 - 530.000 MHz
Right band 100.000 - 200.000 MHz
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550.000 -1020.000 MHz*
(both including AM aircraft)
45 Watts 6M, 50 Watts 2M and 35 Watts 70cm (3W Low, 10W Medium selectable) transmit ham-bands

*cellular blocked on 800 MHz band

Size: 5.51"W 1.57"H 6.81"D
Weight=2.65 lbs.

MEMORIES...

- 80 memories (each side); stores frequency, offsets, CTCSS tones and much more
- Expandable 200 memories each side with optional, CMU161
- Frequency steps, 5, 6.25, 10, 12 .5, 15, 20, 25, 30, 50 and 100 kHz.
- Paging\Coded squelch
- DTMF autopatch dialing, 12 memories, 6 per side, 15 digits
- Eight kinds of scan: 1 MHz, entire band, program, memory, block memory, program memory, memory scan memory and tone

DISPLAY...

- Snap-on front display or remote the radio in the trunk or under the front seat
- Back-lit Keypad and Display
- MY key, store favorite function
- TX Time-Out-Timer 3, 5, 15 mins
- Auto power-off 3, 6, 9 hrs
- Auto mute opposite band -20dB
- Beep-tone off, low or high
- Cooling fan built-in.

Mobile bracket and power cord (2M) included

MARS and CAP modification available; permit required

C1208DA Twin-Band has everything in the Speaker/Mic... and delivers 50 watts, too!

C1208DA TWIN-BAND MOBILE FEATURES...

A full featured 2-meter rig that fits anywhere, yet puts out a full 50 watts as well - that's Standards C1208DA!

With all controls and the large liquid crystal display in the speaker/mic, this rig can mount anywhere - no more compact car woes! The rig's under the seat, behind the dash, or in the trunk (with optional extension cable) - all you need is in your hand. All this, plus it's packet ready (up to 9600 baud)!

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50 Watts, 10W and 3W selectable
Built in Antenna Duplexer for 450 MHz receive

*Cellular blocked on 800 MHz band

MEMORIES...

- 100; stores frequency, offsets and CTCSS tones.
- CTCSS Encode/Decode standard.
- Frequency steps, 5, 10, 12.5, 15, 20, 25, 50 and 100 Khz.
- Paging/Coded squelch.
- DTMF autopatch dialing, 10 memories, 15 digits.
- Six kinds of scan, including priority and CTCSS.

DISPLAY...

- Back-lit Keypad and Display
- Auto mute: four settings (-10, -20, -30 and off)
- Semi Duplex cross-band operation with CTCSS tones
- Cooling fan built-in

Size: 5.51"W 1.18"H 5.79"D
Weight 1.65 lbs..

Mobile bracket and power cord (3m) included.

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They handle 6000 volts and amps of RF current for arc-free operation.

Super Antenna Switch

The MFJ-989C *super heavy duty* antenna switch is made of two individual ceramic wafers wired in parallel. Wide spaced, heavy duty contacts handle extreme voltages and currents. *We've never burned one up!*

3 KW Current Balun

MFJ's *super heavy duty current balun* has *two* giant 2½inch toroid cores with *Teflon®* wire connected to ceramic feedthrough insulators.

Use balanced lines without core saturation or voltage breakdown.

Built-In Dummy Load

A *full-size* 300 watt non inductive 50 ohm dummy load is built-in.

Lighted Cross-Needle Meter

Read SWR, forward, reflected power *simultaneously*. Read peak and average power in two ranges.

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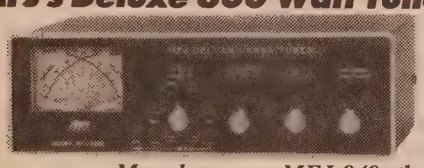
MFJ's Deluxe 300 Watt Tuner



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Why? The world's leading antenna tuner has years of proven reliability and can match nearly any antenna! Plus, it has MFJ's famous *No Matter What*™ one year warranty!

You get a lighted peak and average reading Cross-Needle SWR/Wattmeter, antenna switch, 4:1 balun for balanced lines. It covers 1.8-30 MHz and handles 300 watts PEP SSB. Has *full size* dummy load that easily handles abusive tune-ups.

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MFJ's versatile 1.5 KW Tuner

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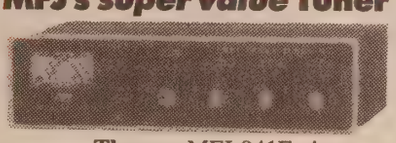
MFJ's super value Tuner



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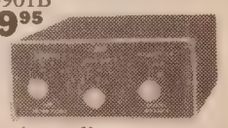
The MFJ-901B is our smallest --5x2x6 inches --(and most affordable) 200 watt PEP tuner --when both your space and your budget is limited. Great for matching solid state rigs to linear amps.



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MFJ's random wire Tuner

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MFJ-16010
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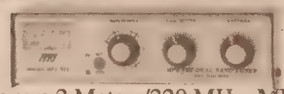

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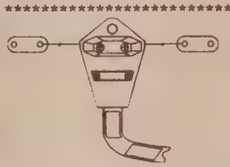

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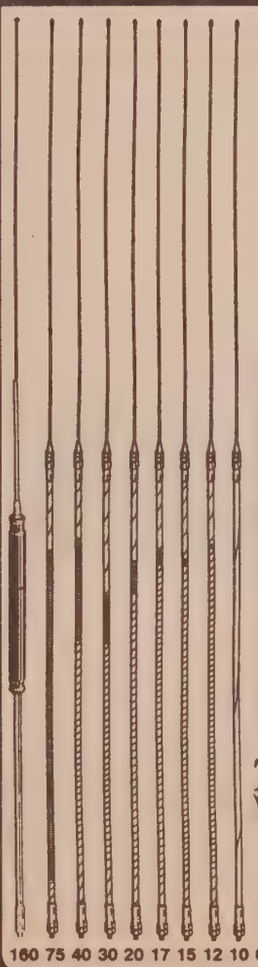

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AMERITRON's *four* 572B tubes . . . 1300 Watts . . . $1395!

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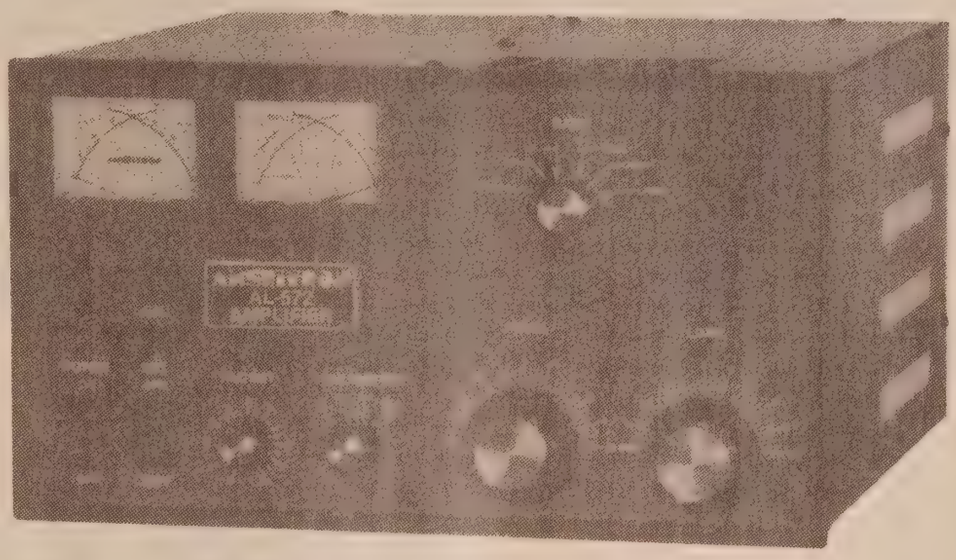

AL-572
$1395
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Four rugged Svetlana 572B Tubes

The AL-572 uses four rugged *fully neutralized* Svetlana Russian 572B tubes. Each tube has a heavy duty Graphite Anode, low loss white Ceramic Base, superior Titanium Getter and legendary Russian quality and ruggedness.

Ameritron's exclusive *ParasiticKiller™* effectively suppresses all parasitic oscillations.

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You'll typically get 1300 Watts PEP SSB, 1000 Watts CW continuous, 1000 Watts 1/2 hour PEP two-tone test on all amateur bands from 160 through 15 Meters (WARC bands and 10 Meters with reduced performance -- user modified for 10 /12 Meters with license).

Instantaneous RF Bias™ eliminates heat

Ameritron's exclusive *Instantaneous RF Bias™* completely turns off the 572B tubes between words and dots and dashes. It eliminates hundreds of watts wasted as heat to give you cooler operation and longer component life.

Dynamic ALC™ doubles average SSB power

Ameritron's exclusive *Dynamic ALC™* gives you high level, low distortion RF processing. It can more than double your *average* SSB power.

Front panel control lets you adjust output power.

Heavy duty Power Supply

A heavy duty power supply using a high silicon steel transformer delivers 2500 volts at 0.7 amps with good regulation.

The plate supply uses a full wave doubler, 200 amp peak surge current diodes, 7 watt, 50 K ohm wire wound bleeder resistors and a bank of high quality computer grade capacitors totaling 26 ufd.

Step-Start Inrush Protection™

When you turn on your amplifier, a massive inrush current flows. Eventually this current will damage your amplifier.

Ameritron's *Step-Start Inrush Protection™* limits damaging inrush current to your power supply and tube filament. This greatly extends the life of your amplifier components and tubes.

Pi/Pi-L Output Network

The AL-572 Pi/Pi-L output network gives you exceptionally smooth tuning, wide matching range, full band coverage and peak performance at all power levels.

Ball bearing vernier reduction drives on plate and load controls make tuning precise and easy. Detailed logging scales let you quickly return to your favorite frequency.

Tuned Input lets your rig deliver full output

A Pi-Network *tuned input* using slug tuned coils provides a good 50 ohm load for your rig. Even the fussiest solid state rig will deliver full power to your AL-572.

Whisper Quiet pressurized cooling

A whisper quiet internal fan draws in cool air over power supply components and pressurizes the tube compartment to remove heat for longest life.

Two lighted Cross-Needle Meters

Grid current, plate current and forward PEP output power are *continuously* monitored to tell you of improper loading and abnormal conditions.

A fourth scale switches among peak, reflected power (and SWR), high voltage, ALC threshold and ALC output voltage.

Multi-Voltage Power Transformer

Ameritron's *Multi-Voltage Power Transformer* has a unique buck-boost winding. It lets you select from 14 primary voltages centered on 115 and 230 VAC.

You can match your AL-572 to your AC line voltage so you'll get peak performance and long component life -- regardless of your line voltage.

QSK Compatible

For *lightning fast* QSK operation use the optional Ameritron *electronic PIN diode* QSK switch. Use the external QSK unit, QSK-5, $349, or install the internal QSK-5PC board. Contact Ameritron.

Plus More!

An Operate/Standby switch lets you run barefoot, but you can instantly switch to full power if you need it.

Transmit LED; 12 VDC, 200 mA accessory jack; 12 VDC keying relay for solid state/tube rigs; tough, nearly indestructable Lexan-over-aluminum front panel.

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Ameritron Warranty

In the unlikely event that there are defects in materials or workmanship, Ameritron will repair your AL-572 *free* for a full year. The Svetlana 572B tubes are covered by Svetlana's warranty.

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BOB SIMPLETON'S GUIDE TO TEXAS (WEST) REPEATERS

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Repeaters are one of the most exciting aspects of amateur radio. They make VHF & UHF communication cleaner and easier over long distance. They are also fun to build and experiment with.

Over the next few months, the Amateur Radio Trader will be presenting repeater maps for all fifty states. These maps are available in book form at your local Amateur radio store. Free listings of repeaters in each state is availble on the internet at http://www.artscipub.com. Forms to update repeater information are available on the internet at the same URL or you can use the form below All the maps and listing are available in the U.S. Repeater MapBook.

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Phone # ( )
Relation to Repeater._____ (System owner, User, etc)

Date:_____
Frequency / Repeater_____ MHz
System Location :
State_____
Nearest Major City_____
Direction from City N, NE, E, SE, S, SW, W, NW
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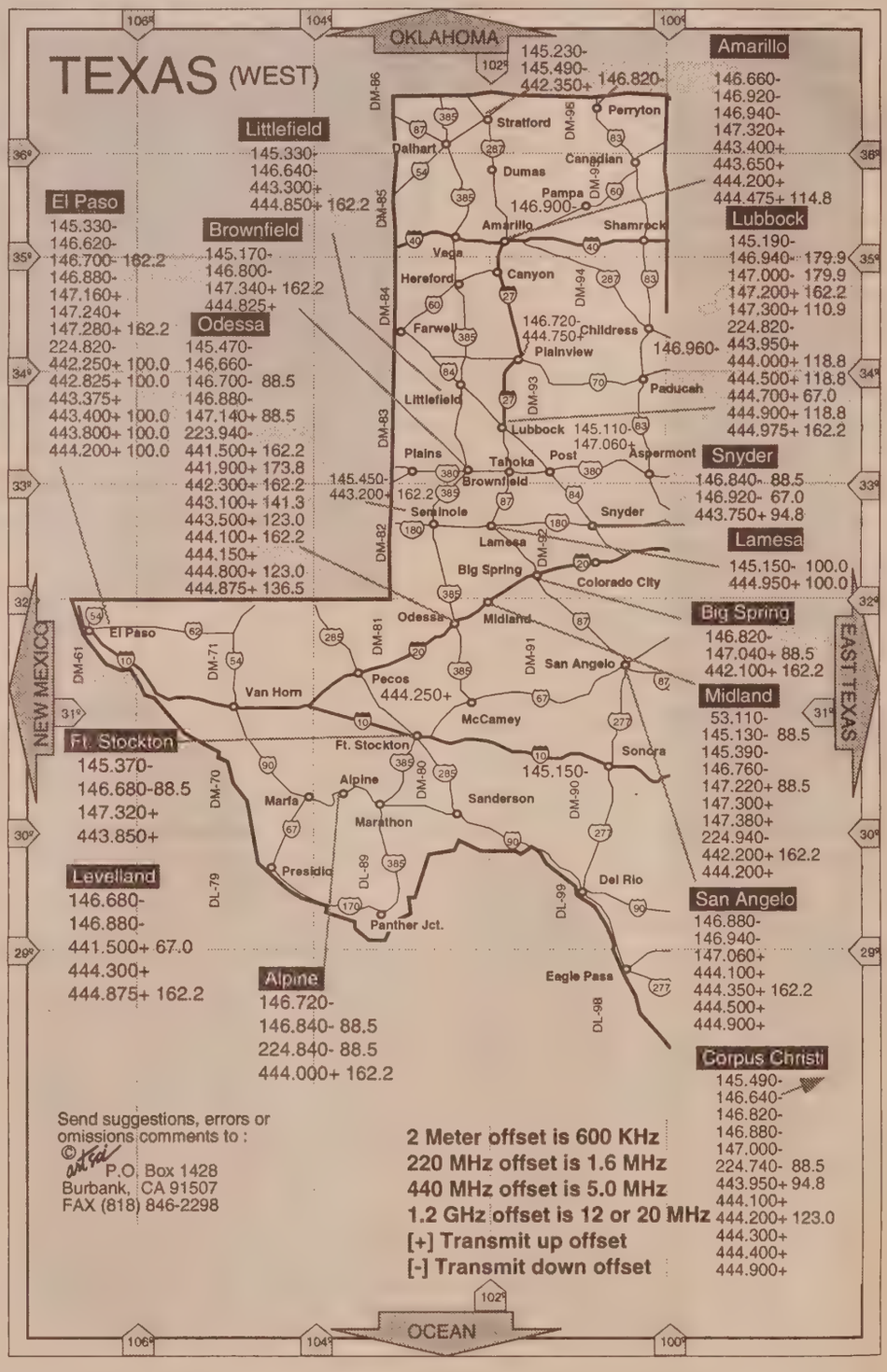

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2 Meter offset is 600 KHz
220 MHz offset is 1.6 MHz
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[+] Transmit up offset
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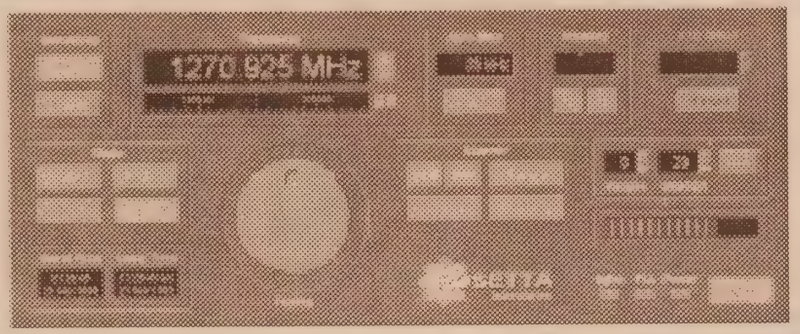

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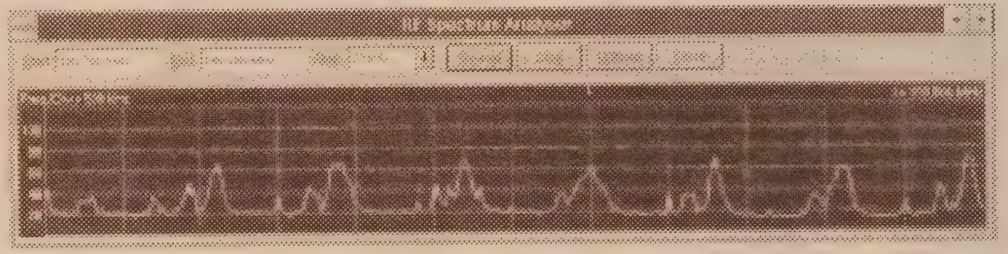

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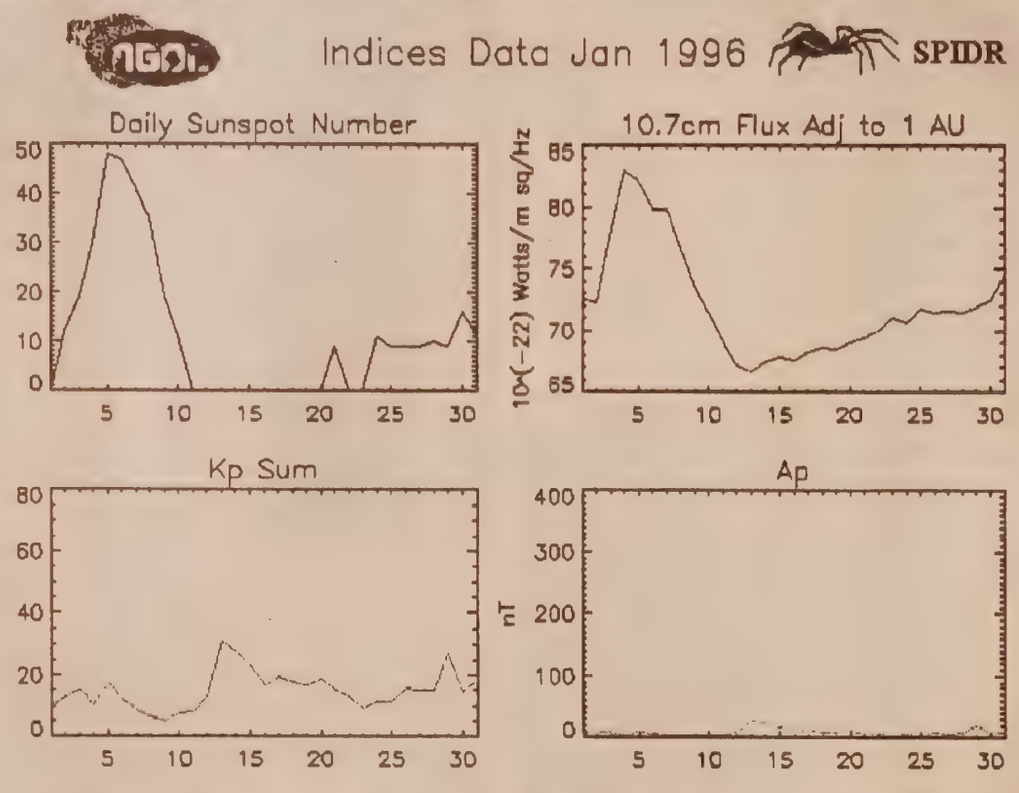
LUCAS RADIO'S GUIDE TO WORLDWIDE PROPAGATION

brought to you by Amateur Radio Trader

Flux? What's flux? We were talking about the indices used to make propagation predictions, and among them we find flux. What is flux? How many are there? What is it good for? Those are the questions we'll answer in this issue.

To begin, this flux is a term from physics that refers to the energy per unit of time, or to the power passing through a surface. The electromagnetic flux units we use are for power through a surface, watts per area (technically, $10^{-22}Wm^{-2}Hz^{-1}$). We use flux measurements to quantify solar activity, among other things. The solar flux we talk about is a measure of the solar radiation incident on Earth's surface. Measurements of flux are made at particular frequencies, since measurement equipment does not behave uniformly across the total solar spectrum. That's why we can find separate reported values for X-ray flux, 10.7 cm flux, ultraviolet flux, and at each of the following frequencies: 15400, 8800, 4995, 2695, 1415, 609, 410 and 242 MHz.

The flux used for propagation predictions is the 10.7 cm flux, $F_{10.7}$, measured near Ottawa, Canada, at 1700 UT each day. That's because the $F_{10.7}$ correlates very well with the X-ray, ultraviolet, and extreme ultraviolet fluxes. Each of these fluxes is important to certain elements of the ionospheric structure. Hard X-rays (higher frequency X-rays) and ultraviolet cause ionization in the D layer, which is a very important source of absorption. Soft X-rays (lower frequency X-rays) cause ionization in the E and sporadic E layers, which can provide important propagation modes and cause obscuration of higher F modes. The extreme ultraviolet radiation causes ionization in the lower F layer, the F_1. What is remarkable is that the single, narrow measure of $F_{10.7}$, taken at a single location and time, correlates so well with the various radiations that drive ionospheric structure.



Now, the big question. Which indicator of solar activity should be used for making propagation predictions? Solar sunspot numbers or 10.7 cm flux? That's a good question - I'm glad you asked. The prediction algorithms were almost invariably developed with sunspot data, and the worldwide maps of the ionosphere are calibrated by sunspot. Therefore, the best measure for predicting long-term median propagation conditions is sunspot number. BUT, there may be value in using $F_{10.7}$ for short-term predictions. The problem is that nobody really knows how. Most programs convert flux to a pseudo sunspot number, and then use the sunspot algorithms. It is likely that a running sunspot or long-term average flux, modified by a current flux, would ultimately prove a very good indicator.

Flux values are published daily by the National Geophysical Data Center (NGDC) in Boulder, Colorado. The Space Physics Interactive Data Resource, SPIDR, is a web-based data retrieval service provided by the NGDC at http://julius.ngdc.noaa.gov:8080/index.html. The figure in this issue is a reprint of their graph of geophysical indices for January, 1996.

See you next month.

LUCAS RADIO'S GUIDE TO WORLDWIDE PROPAGATION

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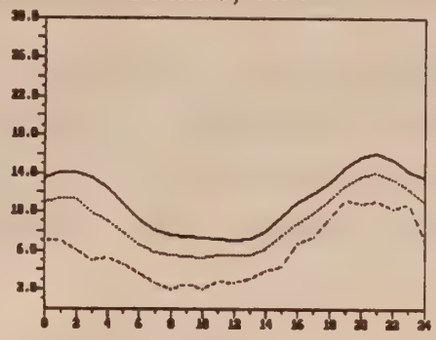
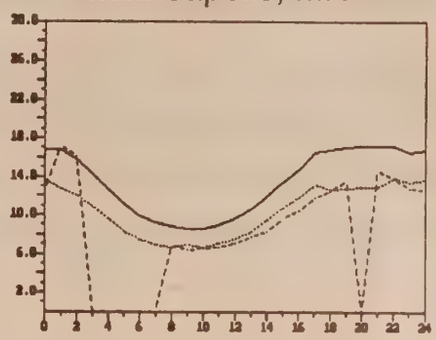
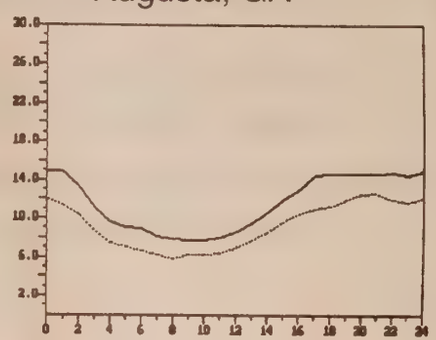
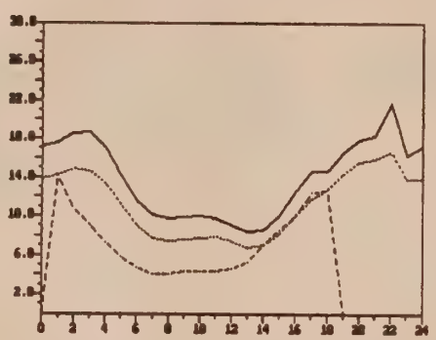
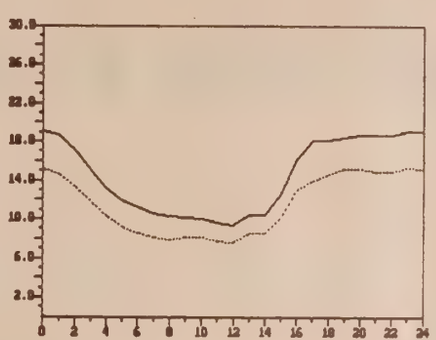
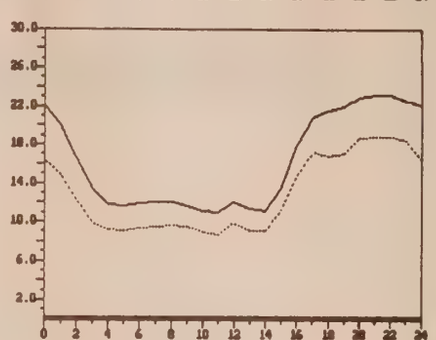
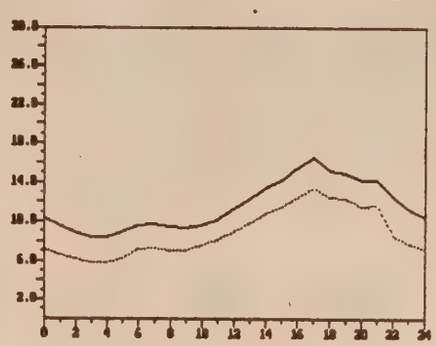
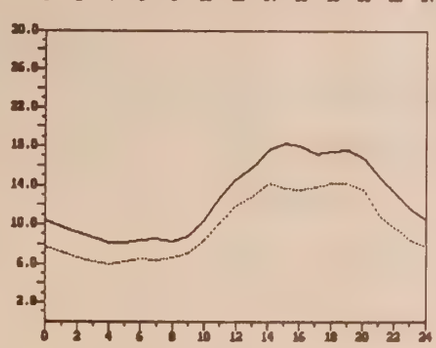
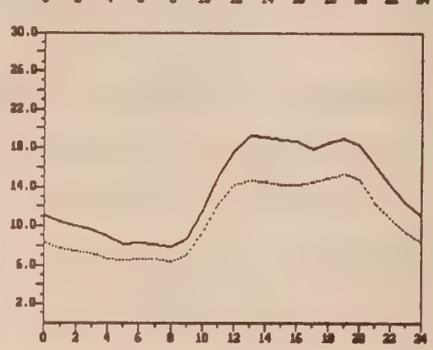
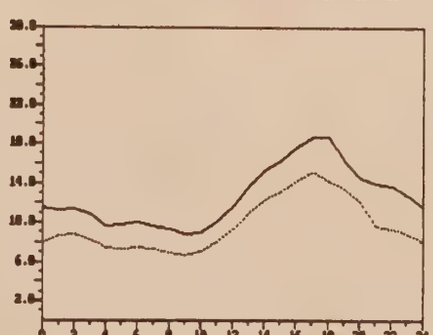
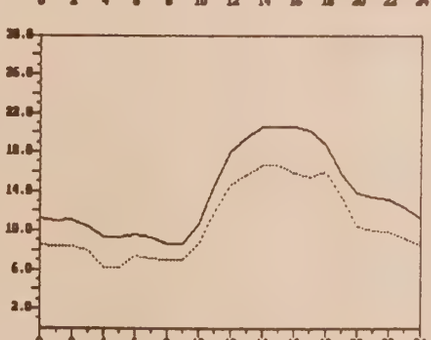
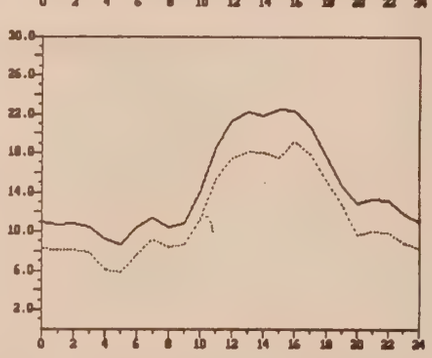
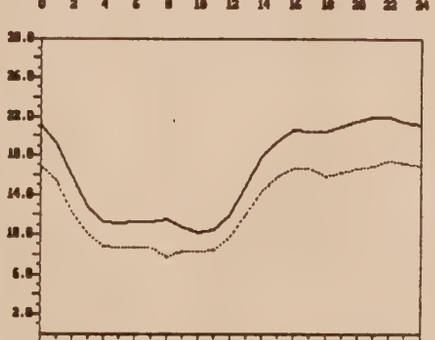
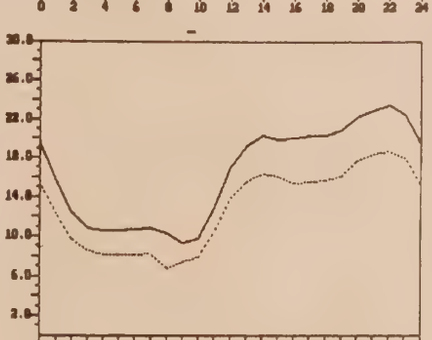
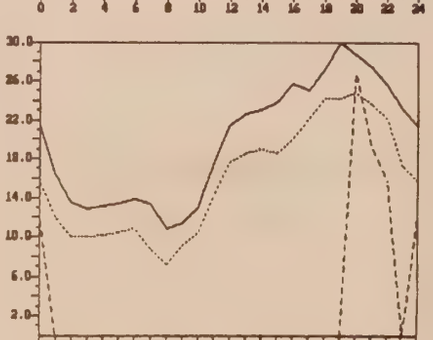
Locations	Seattle, WA	Minneapolis, MN	Augusta, GA
Fair-banks, Alaska			
Hono-lulu, Hawaii			
Paris, France			
Cape Town, South Africa			
Sao Paulo, Brazil			

These graphs show MUF, FOT, LUF predicted for the current period. The curves are plotted in frequency (MHz) v. universal time. The band openings correspond approximately with the FOT curve. The graphs are generated using CAPMAN software from Kangaroo Tabor Software, Rt. 2, Box 106, Farwell, TX 79325-9430. Also available from Lucas Radio, phone (303) 494-4647.

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1/6 (4 c.u.)	332	Front cover (12 c.u.)	1,980
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Display Advertising
174 4th Street
P.O. Box 3729
Crossville, TN 38557

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City_____

State_____Zip Code_____

Telephone (____) _____

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Charge my ( ) MasterCard ( ) VISA

( ) American Express Card ( ) DISCOVER

Credit card #_____

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(Refer to the Classified Headings Directory)

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6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

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P. O. Box 3729 - Crossville, TN 38557
Or fax your ad to us!! 1-800-423-9030

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ALINCO:

5011 • ALINCO VHF

YOU WILL BE SURPRISED at how close brand-new, fully warranteed Alinco Ham gear is to the prices people are asking for used, non-warranteed stuff. Call toll free for delivered prices. 800, 926-9426, Advanced Specialties, 114 Essex, Lodi, NJ. Visa/MC. o2

ALINCO 6M FM MOBILE, 10W, used less than 5 hours. $150.00 plus shipping. Bruce, KU4CM, 919, 467-4655 or brifleman@ipass.net

ALINCO DR-150T 2M FM mobile, new in box, 440 receive. $250.00. I pay shipping. Dan, 910, 731-7951, KE4KTT. n2

5013 • ALINCO HT

ALINCO DJ-560 2M 440 handheld, 2 batteries, wall charger EDC34 desk charger, speaker mic. $225.00. 814, 382-0619. o2

ATLAS:

5015 • ATLAS HF

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AZDEN:

5016 • AZDEN HF

WHY IS AMATEUR RADIO Trader's classified section so big? Because it works! Call us today to turn your unneeded assets into $$$. 800, 774-2623.

AZDEN SALES & SERVICE - Buy, sell or trade new and used Azden. QRV Electronics, 503 Main St./P.O. Box 330, Crawford, GA 30630. Ph/Fax 706, 743-3344. n1

5017 • AZDEN VHF

AZDEN PCS-3000 2M transceiver. $125.00. 814, 382-0619. o2

COLLINS:

5022 • COLLINS HF

51J+SP, R-390A, RESTORED. Alan, 520, 575-1960 or 970, 577-0677. o2

WHY IS AMATEUR RADIO Trader's classified section so big? Because it works! Call us today to turn your unneeded assets into $$$. 800, 774-2623.

COLLINS 32V-3. COLLINS 310B-3. W2HGI, William Dade, 1430 Maple Ave., Hillside, NJ 07205-1527. o1

FOR SALE: COLLINS KWM-2A transceiver. Needs new finals. Best offer will take. Call Chuck at 630, 655-6077, 9AM to 5PM. o1

COLLINS: YOUR 30L-1 is in need of a new capacitors replacement kit 1000W PEP output voltage doubler. WN4I, Steve Pautard, 5833 Dryden, West Palm Beach, FL 33415. 561, 689-8819. n2

5026 • COLLINS (Wanted)

WANTED: COLLINS 75A-4 or KWM-1, 51J-4 & 51S-1 receivers/TX and Collins microphones, any model speakers in any condition working or not. Also need mechanical filters and parts for any Collins radio receivers. Also buying complete Collins and other quality brand name Ham stations. I can arrange direct home pick-up anywhere in the USA. Call Larry Drago, 203, 272-6030; fax: 203, 272-2002. E-Mail: theradioman@webtv.net

CASH FOR COLLINS SM-1,2,3, 312A-1,2, 55G-1, 399C-1, 62S-1, KWM-380, KWM-1, 75A-4, 51S-1, 302C-3. Also buy estates. Leo, KJ6HI, ph/fax:310, 670-6969. radioleo@earthlink.net

WANTED: COLLINS 312B-5 VFO. Call G. Pail, 609, 822-7256. n2

DRAKE:

5028 • DRAKE HF

DRAKE TR-7/2.3/.5 PS-7. $600.00. TR-4. $160.00. T-4XB. $150.00. AC-4. $90.00. Collins KWM-2A(R) 516F-2. $750.00. 312B-5. $650.00. Dentron MT-2000A tuner. $160.00. Yaesu FC-301 tuner. $135.00. Magnum 6/FT-101 speech processor. $65.00. WA1APX/8, 810, 781-9717. n1

DRAKE R-4B RECEIVER, extra crystals, manual, excellent condition. $170.00. Dave, 813, 734-1301. o2

5029 • DRAKE VHF

DRAKE TR-4 & L-4B, IN Honolulu. $400.00. Cushcraft A-3 & Ham IV, on ground in TN. $250.00. Lawrence Shipley, K7LS, 2421 Tusitala St., Honolulu, HI 96815-3151. o1

5032 • DRAKE (Wanted)

WANTED: DRAKE TR-7 with noise blanker, high serial number, Drake T-4XC transmitter any condition, Drake TR-4CW late serial number with noise blanker. Frank, KB0W, 916, 635-4994. o1

GALAXY:

5033 • GALAXY HF

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GENERAL ELECTRIC:

COULD YOUR SALES use a boost? Try a classified ad in Amateur Radio Trader. For as little as $10.00 you can start generating leads from all over the nation. Call today. 800, 774-2623.

5033N • GENERAL ELECTRIC VHF

MASTR II, VHF (WILL work 220), 50W. $50.00. 10/$425.00. Mastr Exec II, 800MHz (will work 900MHz), 35W. $50.00. 5/$200.00. Portamobile II, motorcycle mobiles, low-band, 40W. $95.00. Handhelds: MPI,MPE,MPY,MPL available. Overstock specials on mics, speakers, control cables & heads. All prices include postage. Catalogue available by fax or E-Mail only. Starks Electronics, 417, 998-6517. E-Mail: military-radio-guy@juno.com

MASTR II'S "E" 42-50MHz, great for 6M FM, dual receivers, 110W output, bench tested, radio only, great for 6M remotes. $50.00 or trades for UHF equip. 606, 528-8961. o1

GENERAL ELECTRIC VHF hi-band receiver pre-amps for Mastr II, Mastr Executive II, custom MVP, installation hardware included. $35.00 each plus $3.00 shipping. 606, 528-8961 or E-Mail: daham6lin@kih.net

GE MASTR II 100W $100.00, w/crystals 52.525 tuned $160.00. 2M 1W in 50W out RCA mobile amp. $98.00. RCA 50W VHF w/control cables & head. $75.00. K&E Electronics, 3540 NW 23rd St., Oklahoma City, OK 73107. 405, 947-2891. o1

MASTR II DUAL BANDERS, "E" case, VHF hi-band and low-band, two transceivers, 110W RF each band. $100.00. Add PLL Digital Exciter. $150.00. Plus shipping. 606, 528-8961. o2

VHF REPEATER RF deck with receiver and transmitter modules and power supply. Make offer. Al, WA1RWB, 508, 325-7122. n1

MASTR II LOW-BAND, 6M FM amplifiers, 110W, 1/2 watt drive, 12 volt, removed from Mastr II "E's", bench tested. $35.00 +$9 for UPS shipping. 606, 528-8961. n2

5033O • GENERAL ELECTRIC UHF

FOR SALE: GE MASTER II UHF/VHF radios 40/100 watts. JES Communications, 715, 682-2016. o1

GE CUSTOM MVP WITH one set of elements. $100.00 each. GE MVP power supply with built-in speaker. $50.00. Mastr II 40W w/elements, no accessories. $100.00. 606, 528-8961. n2

5033Q • GENERAL ELECTRIC (Wanted)

WANTED: GENERAL Electric FM radios, mobiles, bases, repeaters, cavities, duplexers, and special interface equipment. Also buying Zetron, Motorola, & Uniden LTR. Top dollar paid. We pay freight. Call 800, 443-2929, ask for extension #524. n1

5033W • GRUNDIG

I NEED ANY INFORMATION on all Grundig receivers. My address is 541 N. 7th St., Payette, ID 83661-2483. My home phone is 208, 642-4211. o1

5033X • GRUNDIG (Wanted)

WANTED: GRUNDIG SATELLIT 650, good condition, reasonable price. Vance Rayburn, 2718 Homestead Road, Madison, WI 53711. KB9NIU, 608, 274-3002. o1

HALLICRAFTERS:

5034 • HALLICRAFTERS HF

HALLICRAFTERS S-38EM. $50.00. You ship. Kenwood TS-520, mint, manuals. $300.00. You ship. 785, 272-3258. o1

SX-99, SX-101A, SX-16, SX-42, S-38B,C,D, SX-71+SP, SX-110, SX-130+SP, S-20R, WR-4000, WR-1000, S-120, SW-500. Alan, 520, 575-1960 or 970, 577-0677. o2

HALLICRAFTERS HF transceiver Tornado SR-500 w/PWR sup/ speaker. $300.00. Also SX-111 receiver. $200.00. Kevin at 908, 855-5453. o2

5038 • HALLICRAFTERS (Wanted)

WANTED: EARLY HALLICRAFTERS receivers model numbers SX-28, SX-73, SX-88, or very early models from 1930's, in any condition. I can arrange direct home pick-up anywhere in the USA. Call Larry Drago, 203, 272-6030; fax: 203, 272-2002. E-Mail: theradioman@webtv.net

HALLICRAFTERS WANTED. Call Alan, 520, 575-1960 or 970, 577-0677. o2

WANTED: SX-140 IN PERFECT working condition. Send pics and price to Box 6321, Champaign, IL 61826. o1

5039 • HAMMARLUND

SP-600, HQ-100, HQ-129X, HQ-140X. Alan, 520, 575-1960 or 970, 577-0677. o2

HAMMARLUND 12HR & 24HR clocks available. Original Hammarlund face design, quartz movement. $39.95/ea. +$3 shipping. Lenses available. Check, MO to R&R Designs, 202 Midvale, Marshall, WI 53559. Visa/MC accepted. Call 1-800, 372-4287, orders please. 1-608, 255-0400, questions, rehummel@aol.com. Call, write, or E-Mail for free catalog. Paints for many vintage radios available. o2

HQ-140-X. $200.00. Hallicrafters S-120. $15.00. Precision E-200C signal generator. $40.00. TV-3300LPF. $25.00. Sylvania 6JB6. Pr. $25.00. MP. $30.00. 7 amp Variac. $20.00. U-ship. Want: HQ-100/O.R.C., very good condition. WA2PIJ, Mike, 717, 263-7693. o1

HEATHKIT:

5040 • HEATHKIT HF

APACHE GREEN ENAMEL & many other Heathkit colors available, 12-oz. spray cans. $14.95 +$3 S&H. Quart cans. $19.95 +$3 S&H. Pints. $12.95 +$3 S&H. Touch-up bottles. $6.95 +$3 S&H. Send check or MO to R&R Designs, 202 Midvale, Marshall, WI 53559. Visa/MC accepted. Call 1-800, 372-4287, orders only please. 1-608, 255-0400, technical. Call, write or E-Mail for free catalog. rehummel@aol.com

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HEATHKIT HW-8 5W transceiver and power supply and Swan 350A transceiver. Call for price. 615, 649-3129. o1

HEATH MONITOR SCOPE w/pan adaptor HO-5404. $125.00. $10 shipping. Chuck, 1-417, 451-6967; 1-417, 451-2107 evenings. N0EZB. o2

HEATHKIT HF MODEL HW-100 transceiver and power supply in very good condition. $225.00. 413, 527-4431. o1

TOP DOLLAR PAID for unbuilt Heathkits. You could have a certified check in your hands tomorrow morning. Call Michael at 847, 831-8823 or E-Mail at mseedman@interaccess.com

HEATHKIT HW-104, GOOD condition. $100.00. Hank, WA4VSP, 770, 567-3354. o2

HEATHKIT AMATEUR RADIO repair by Ed Daignault, WA1LJY, 7232 Lincoln, Baroda, MI 49101. 616, 429-4295. Quality workmanship guaranteed. Former Heath technician. Will work on other makes with your manual or schematic. n2

FOR SALE: HEATHKIT HW-5400 HF transceiver with PS/speaker, WARC capable. Very good condition w/manuals. $300.00 obo. Allan, N9SQT, 847, 590-0765. n2

HEATHKIT SB-102, HP-23, SB-600, SB-650 freq display, SB-610 monitor scope, SB-230 amp. Package $600.00 firm. U-ship. Dennis Leesley, 9258 Pierce St., Westminster, CO 80021. WA0JYC, 303, 426-6833, after 22:00Z. n2

5044 • HEATHKIT (Wanted)

UNBUILT HEATHKITS wanted: Premium prices paid for unassembled Heathkits in original condition. Rob, W3DX, 804, 971-6812 evenings or "Robcap@aol.com"

DX-60 OR 100 WITH manuals. Call 520, 326-4079, day or night, John. o1

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WANTED: HEATHKIT HW-8, HW-9, or HW-99. Also interested in Heathkit catalogs. Call Gary, N7EKX, 253, 770-0895. Premium prices paid for unbuilt kits. o1

WANTED: MANUALS (OR photocopies) for Heathkit HW-104 transceiver. Also for Johnson Viking Matchbox antenna tuner. Will pay reasonable fees. 616, 847-0238. n1

HEATHKIT PS-23 power supply. 1-501, 452-1767; fax 1-501, 452-3525. KM5LX, Don. n1

TOP DOLLAR PAID for unbuilt Heathkits. You could have a certified check in your hands tomorrow morning. Call Michael at 847, 831-8823 or E-Mail at mseedman@interaccess.com

ICOM:

5046 • ICOM HF

ICOM USERS HEAR WEAK ONES. My installing PIN diodes reduces IMD, internal noise. SASE, Bill, NA5DX, PO Box 2183, Deming, NM 88031-2183. ja1

PS-85 POWER SUPPLY FOR IC-706, like new, will ship. $225.00. Call AA4IX, 803, 873-9465. o1

ICOM 706, ALMOST NEW, in box w/warranty card. Used less than 4hrs. Mntg. bracket & extension cable included. $880.00. Call Chris, WB4MAZ, 1-888, 422-4322 home; 1-888, 422-3722 work. E-Mail: captainchris@juno.com

ICOM 736 HF + 6M xcvr, mint cond. $1,300.00, shipped. HF amp 14-30MHz lazer 1000 uses 2SC2879 transistors. $75.00, shipped. KE4NCM, 954, 755-9852, after 7PM EST. o2

ICOM 4KL AMPLIFIER. Good shape. Price reduced. Call 423, 877-4018. o1

ICOM 781 XCVR, xcint cond, SN-1160, fresh factory check out, Icom SM-10 & SP-20, non-smoker. $3,750.00. Jim, WH6LZ, 916, 926-1759. o1

IC-735, CLEAN, NEVER mobile, 500Hz CW filter. $500.00. K6RN, 916, 233-5191. o1

ICOM 725, ICOM AT-150, Astron 35A. All excellent. $850.00 for all including shipping. 919, 492-8495. o1

ICOM 735 SOLID STATE, PS-55 power supply, Hustler 80-10M antenna, manuals. $750.00. Also Alinco DJ-580 handheld, 2M-440 80W amplifier, antennas, manuals. $300.00. No shipping. NK5J, 601, 287-8771, Corinth, MS. Like new! n1

ICOM 720A WITH ICOM power supply and desk mike, fully within spec, tested June 1997. $450.00 COD. Excellent condition. 215, 743-0348. o1

ICOM 775 W/DSP, new April '97, all filters, original box, etc. Steal $2,500.00. 618, 687-4361. o1

ICOM 756, INCLUDES CR-502 high stability crystal unit and UT-102 voice synchronizer. Brand new, non-smoker. Asking $1,800.00. 712, 277-2540, anytime after 5:30PM. o2

IC-737A, MINT, 2KL, VG, AT-500 FB, all acc., boxes, manuals. Sold as one unit. $2,150.00. Joel, N8WEE, 616, 451-8791. o2

ICOM IC-761, HIGH serial number, factory cartons, manual, excellent condition. $1,075.00. IC-751, mike, manual, excellent. $550.00. Non-smoker. Bob, K3AC, 215, 661-9283. o2

ICOM 735 ASTRON VS35M power AT-150 auto tuner headphones desk mic R7 antenna, mint. $1,399.00 for package. N8MCN, 906, 786-7692. o2

ICOM 736, HF AND 6 meters, mint condition. $1,150.00. N7MD, 602, 878-3342. o2

5047 • ICOM VHF

ALL MUST GO! MAKE offer. IC-37A, IC-3AT, FT-212RH, IC-02AT, IC-2AT, IC-47A, KPC-2. Ken, 310, 813-7663. o1

ICOM 970H SATELLITE base receiver, original owner w/manuals & original boxes, mint condition, barely used. Make offer. 1-503, 252-1767, Dennis, N7QMU. o2

ICOM IC-228H 2M mini base station. Standard shirt pocket C-108A 2M HT. Like new! Best offer. Peter, K2MMT, 914, 241-9170. o2

5048M • ICOM DUAL BAND

DUAL BAND 24AT HANDHELD, new condition, very high extended frequency capability w/mod, w/charger and original box. $250.00. Icom IC-R10 all-mode receiver .1-1999MHz, brand new, never used, complete package. $475.00. (2) Motorola Radius P-110 & (2) Motorola P-100. Both w/batteries, chargers, car adapters & other accessories. $500.00. 610, 825-3966. o1

ICOM IC-Z1A 144/440MHz HT w/remote mic/ speaker, manual and charger, exc. cond. $250.00. 618, 695-3508. o1

5049 • ICOM HT

IC-03AT, EXCELLENT condition, looks like new. $275.00 obo. Also Johnson model 250-0719-001 27MHz SWR meter. $25.00 obo. 602, 439-0061. o1

5050 • ICOM (Wanted)

WANTED: ICOM IC-03AT 220MHz hand-helds. Will consider non-functional radios. Top dollar offered. Contact Alan Sanders, Communications Specialists, Inc., 426 West Taft Avenue, Orange, CA 92865-4296. 800, 854-0547; fax 800, 850-0547. n2

LOOKING FOR SERVICE manual and integrated circuit #3062A for Icom model IC-211. Please contact: Dave, KC8GON, 2821 Highgate Ave., Wyoming, MI 49509. o1

JAPAN RADIO:

5051 • JAPAN RADIO HF

WHAT IS THE BEST bargain in ham radio? How about a classified ad in Amateur Radio Trader? For as little as $10.00 you can reach a nationwide audience of ham radio buyers. Call or Fax today. 800, 774-2623, Fax 800, 423-9030.

JOHNSON:

5052 • JOHNSON HF

E.F. JOHNSON VIKING maroon, gray & other colors available. See Heathkit ad under 5040 for further details. o2

5056 • JOHNSON (Wanted)

WANTED: E.F. JOHNSON amateur radio equipment, Rangers, Valiants, parts rigs, others, etc. Also wanted: new old stock transmitter tubes. Buy rebuildable dud ceramic tubes. Dee Almquist, W4PNT, 534 West Main St., Waynesboro, VA 22980. 800, 755-2365; fax 540, 249-5064. soundnmind@rica.net

JOHNSON 500, IN good or repairable condition. Will pay above average price. KI5DT, 903, 893-5357. o1

JOHNSON 500 TRANSMITTER wanted in mint condition. 909, 884-8130. n1

KDK:

5057 • KDK

WHY IS AMATEUR RADIO Trader's classified section so big? Because it works! Call us today to turn your unneeded assets into $$$. 800, 774-2623.

KDK 440 WITH TONES. $125.00. Drake HF TR-4 transceiver w/matching power supply & mike. $225.00 obo. New tubes. Yaesu FT-101 transceiver. $100.00. Call Larry, 909, 785-4891, KC6PTF, California. o2

KENWOOD:

5058 • KENWOOD HF

KENWOOD TS-430S FM-430 250Hz CW filter h-mike manuals. $555.00 shipped. JPS NIR-10 upgraded. $180.00. Yaesu FT-270RH 50W 2M T-T-mike voice synthesizer m-mount. $165.00. Call: Jan, K1ND, 313, 485-7609, in Michigan. o1

TS-130S WITH MANUAL, box, mike. Has worked the world both mobil and fixed. Great first radio. I need TS-140 or 440. Will accept trade w/cash. 714, 779-1211. o1

KENWOOD TS-140S, LIKE new. $650.00. Drake TR-4, mint, MS-4 speaker, power supply. $350.00. Kenwood TS-440S/AT, clean, stopped working. $500.00. Dentron Clipperton L, good cond. $400.00. Kenwood VFO 700S 2M w/cord. $100.00. Kenwood SP-430, new in box. $60.00. K4BYX, 910, 349-6922. o1

STATION MONITOR SM-220 w/BS-8 pan display, excel. $330 +ship. Henry 2KD-5, 1.2Kw HF amp. $550 +ship. (75#). Allan, 602, 582-1044 or trekkiehamcat@juno.com

TS-520 W/MANUALS, like new. $300.00. FT-101E, original box, manuals and mic. $300.00. AEA Isoloop antenna 10-30 w/LC-2 control and cables. $285.00. 904, 761-8344. emitch@juno.com

TS-830S, FOX TANGO filters, extra tubes, orig box, DFC-230 ext. VFO. Both good condx, manuals. $650.00. U-ship. W8ILH, 614, 587-3976. o1

TS-430 W/PS-30, EXCELLENT condition w/boxes. $650.00 +shipping. W6LHB, 805, 733-1981. n1

TS-820S TRANSCEIVER with digital readout and optional AT-200 antenna tuner with SWR/PWR meter. $400.00 firm. Call 707, 965-0472. n1

KENWOOD TS-950SDX, like new, CW filters YK-88CN-1, YG-455CN-1, DRU-2, VS-2. $3,650.00. Box, non-smoker. Pierre, N6GO, 702, 564-5311. o1

KENWOOD STATION: TL-922, TS-940S/AT, TM-2570A, TM-2550A, TR-7950, Astron RS-20M, Swan WM-2000A and 1500, MFJ-986 3Kw tuner, etc. Make offer. 918, 335-3175. o1

KENWOOD TS-530S transceiver, AT-230 antenna tuner, HS-5 headphones. Hustler 4-BTV vertical antenna (never used), CW key, dummy load, practice oscillator, video and audio tapes, mini-multimeter, cables, connectors, manuals. $675.00, shipped. Call Joe at 908, 903-0829. o1

GREAT BEGINNERS SET-UP! Kenwood TS-830S, VFO-230, AT-230, R-2000 shortwave receiver, MC-50 mic, MFJ keyer. All equipment in excellent condition. Asking $1,200.00 obo. Will pay shipping. Call John at 701, 231-6002. n1

KENWOOD TS-520S w/original manual and box, very clean. Only $350.00. SP-430. $75.00. MC-60A. $100.00. Phone patch PC-1A. $75.00. Price includes ground UPS shipping. Call 541, 882-8330 PST or E-Mail: wjonesjr@cdsnet.net

SALE TS-940S, MINT condx, opt filters, service manual. Will ship in orig carton. $1,095.00. 314, 356-4398. n1

KENWOOD MODEL 450S/AT, original box, manual, microphone, etc. Mint condition. $850.00 or trade for Icom 706 or Ten-Tec Paragon II. Roger, KF4GTQ, 423, 448-6448. n1

KENWOOD TS-850S/AT, mint (as new), boxes, etc. $1,195.00. Call any eve, 215, 673-0485, Al, WA3FIB. o2

TS-140S. $475.00. MC-60A desk mike. $75.00. SP-23 speaker. $45.00. Or all for $550.00 P/P. All look great. Roland, K1CJW, 407, 884-8086. o2

KENWOOD TS-870, FACTORY xmit mod. $1,250.00. Astron RS-50M. $180.00. Palomar Elite 600 mobile amp. $300.00. HTX-100. $100.00. Henry 2K Classic-X, extra tubes. $1,250.00. Sparta 1Kw AM broadcast xmtr. $350.00. 7.5KVA Collins AM broadcast xmtr xfmr. $250.00. AM broadcast phaseductors assortment $25.00 each. Obo/you ship. Gene, KB0GU, 816, 223-5012. o2

MINT TS-950SDX, SP-950, digital recording unit, narrow filters installed, manual, original box. $2,700.00. Call Scott after 6PM EST, 207, 677-2639. o2

KENWOOD TS-820S WITH MC-50 desk mic, CW filter and original manual, non-smoker. $400.00. Kevin, 908, 855-5453. o2

TS-820S, MINT, IN original box with manuals. $300.00. Hank, WA4VSP, 770, 567-3354. o2

KENWOOD TS-430S with manual, Kenwood TS-820, Kenwood mikes, headphones & speaker, MFJ Versa Tuner matcher, memory keyer, clock, filter, misc. other items. Very nice condition. Will sell all or part, best offer. Jon, KB7MNB, before 9:00 Pacific time. 503, 233-5933 (Portland, OR). o2

MC-60 MIC. $55.00. International Radio 1.8 SSB filter for 8.830 IF. $50.00. Magicom RF speech processor for 440,840,940. $20.00. Call Jamie, 814, 382-0619. o2

KENWOOD TS-820S, VFO-820, excellent condition w/cables, service manual, original cartons, no mike, owned by non-smoker. $450.00. KK4NI, 704, 652-3102. n2

TL-922A LINEAR AMPLIFIER, TS-50 transceiver. Both in perfect, like new condition. Best offer. Peter, K2MMT, 914, 241-9170. o2

GET THE EXTRA IMPACT of bold ads like this. Remember to ask for BOLD when placing your Amateur Radio Trader ads.

KENWOOD TS-450S/AT, heavy duty PS-53, MARS. $1,000.00. Rich, 520, 425-6356. o2

KENWOOD 870S, NEVER used, excellent condition, all cables, manuals & original boxes. $1,500.00. 207, 737-2577. o2

5059 • KENWOOD VHF

KENWOOD TR-751A ALL-MODE 2M. $500.00. Ten-Tec 6M transverter. $100.00. Timewave DSP-599 ZX filter. $300.00. All shipped w/boxes, manuals. All mint condition. 908, 561-5859. o1

5060M • KENWOOD DUAL BAND

TM-742A, NIB, TRIBAND w/2M 70CM installed. $559.00 +shipping. MARS/CAP mod. Remote control w/your HT. Roger, 408, 426-0115. o2

KENWOOD 733A DUAL band modified for MARS & CAP. $390.00. Shipping paid. Call Pete, 704, 488-2097, after 4 rings, leave message. o2

TH-78A DUAL BAND, PB-13 nicad battery pack and charger, Anli antenna. $250.00. 910, 877-4622. o2

5061 • KENWOOD HT

TH-22AT, PERFECT condx., original box, less than 10hrs. use. $190.00. W2FHN, Michael, 201, 267-6847. o2

TH-22AT, MINT CONDITION. Includes charger and all original paperwork. Used less than five hours. $200.00. 818, 367-7401. o2

5062 • KENWOOD (Wanted)

WANTED: KENWOOD TH-28A in good condition. N5VKE, 870, 496-2354. o1

WANTED: TU-5 SUBTONE unit for a 2M TS-711A base radio. KC7XB, Gus Amato, 1524 SE 31st Ave., Portland, OR 97214-5002. 503, 232-3856. o2

WANTED: ORIGINAL KENWOOD TS-430S, mike and filters YK-88C, YK-88SN, YK-CN. Tone unit for TR-7950. Call Hector, WP4LC, 813, 835-6011, evenings. o2

WANTED: BROKEN KENWOOD TH-31 HT. Fred Schmidt, 122 S. Main, Camden, OH 45311. 937, 452-3230, KB8CBI. o2

WANTED: KENWOOD KPS-7 power supply. Leave phone number at 360, 681-3595 or E-Mail: K7VQF@olympus.net

WANTED: KENWOOD R-820 Ham band receiver. 760, 648-7405, Nicholas, KA6CPM. n1

WANTED: TRANSVERTERS (TV-502S) and (TV-506) for Kenwood TS-820S. (2&6M). Call George, KC8HTB, 616, 228-6324, collect. o2

WANTED:
Will pay cash for good used equipment.
Call
800-687-8333

MCM:

5064 • MCM HF

COULD YOUR SALES use a boost? Try a classified ad in Amateur Radio Trader. For as little as $10.00 you can start generating leads from all over the nation. Call today. 800, 774-2623.

MFJ:

5068M • MFJ

MFJ PRE-SELECTOR model 1040-B. Fifty dollars. HF pre-amp, used very little. WD4HTE, 919, 734-4001. n1

5068N • MFJ (Wanted)

MFJ-722 OPTIMIZER filter, 945D mobile antenna tuner, VGC or better. Darryl, KK5IB, 870, 932-1891. E-Mail: kk5ib@insolwwb.net

MILITARY:

5069 • MILITARY

WHAT IS THE BEST bargain in ham radio? How about a classified ad in Amateur Radio Trader? For as little as $10.00 you can reach a nationwide audience of ham radio buyers. Call or Fax today. 800, 774-2623, Fax 800, 423-9030.

R-392, R-390A, NCHRR+WRR59, E.H. Scott RBO plus parts kit. Alan, 520, 575-1960 or 970, 577-0677. o2

GF-11 TRANSMITTER w/5 coils, control box, Dynamotor, filter, junction box, & Phantom antenna. Make offer. Call 1-616, 798-2405. o1

5069A • MILITARY (Wanted)

WW2 JAPANESE MILITARY radios, parts, accessories, and information for restoration projects. Ken Lakin, KD6B, Oregon, klakin@aol.com. 541, 923-1013. n1

R-390A, ANY CONDITION. Alan, 520, 575-1960 or 970, 577-0677. o2

RADIO'S & ACCESSORIES, any vintage or country of origin. Field portable types preferred, others considered. State price & condition. Lot's of stuff to trade. Dennis, Box 95, Cross Timbers, MO 65634. E-Mail: military-radio-guy@juno.com

MOTOROLA:

5070 • MOTOROLA HF

WHAT IS THE BEST bargain in ham radio? How about a classified ad in Amateur Radio Trader? For as little as $10.00 you can reach a nationwide audience of ham radio buyers. Call or Fax today. 800, 774-2623, Fax 800, 423-9030.

5071 • MOTOROLA VHF

MICORS, VHF, FROM $65.00. Mocom-70, VHF or UHF, from $35.00. Syntors, VHF, from $100.00. Maxar-80, 800MHz. $40.00. 10/$325.00. MT-500, VHF, from $25.00. MX-340, VHF. $30.00. DES loaders. $185.00. HT-220, VHF body alarms. $15.00. 10/$100.00. Overstock specials on mics, speakers, control cables & heads. All prices include postage. Minimum order $50.00. Catalogue available by fax or E-Mail only. Starks Electronics, 417, 998-6517. E-Mail: military-radio-guy@juno.com

5072 • MOTOROLA UHF

GP-300 UHF 430-470MHz 16-channel w/desktop charger, antenna and battery. $325.00. Call 614, 372-0319 or E-Mail: mspradlin@zoomnet.net

MOTOROLA UHF HT-P-200 charger 2-freq. $299.95. U44MST-1110A UHF mobile. $40.00. GERG56TAU66 VHF. $50.00. New Telewave TPRC15051 pass-reject cavity. $99.00. K4BGW, 423, 562-3184. U-ship. o1

5074 • MOTOROLA (Wanted)

BUY, SELL, TRADE, used Motorola/ GE radios. Programming service available. GM/GP/MAX. $20.00 +UPS. Put Ham in your Motorola. Contact: Jim Boyle, 919, 562-1317 or kf4mmq@aol.com. Law + Electronics, fire, EMS, police solutions. n2

NATIONAL:

5075 • NATIONAL

GET THE EXTRA IMPACT of bold ads like this. Remember to ask for BOLD when placing your Amateur Radio Trader ads.

NATIONAL HRO W/PS, 8-coils, CW transmitter, rare museum quality, NC/WRR-2, NC-46+SP, NC-2-40D+SP, NC-183+SP. Alan, 520, 575-1960 or 970, 577-0677. o2

NATIONAL RADIO MANUALS and MCL2000 parts lists. SASE. Maximillian Associates, 11 Plymouth Lane, Swampscott, MA 01907. n1

5075A • NATIONAL (Wanted)

WANTED: NATIONAL MODEL # A.G.S. (air, ground & sea) communications receivers built in early 1930's. Will accept in any condition and will pay excellent price for same. I can arrange direct home pick-up anywhere in the USA. Call Larry Drago, 203, 272-6030; fax: 203, 272-2002. E-Mail: theradioman@webtv.net

WANT: NATIONAL S/P for NCX-3 or NCX-5. Must be mint without dents in grill. NCL-2000. HRO-500 matched speaker. W2DNN, 847, 695-0218. sammac@interaccess.com

PATCOM:

5075M • PATCOMM

COULD YOUR SALES use a boost? Try a classified ad in Amateur Radio Trader. For as little as $10.00 you can start generating leads from all over the nation. Call today. 800, 774-2623.

RADIO SHACK:

5077 • RADIO SHACK VHF

NEW HTX-202 144-8MHz HT (under warranty) plus AEA Hot-Rod antenna, extra ni-cad battery. $175.00. I ship. 909, 338-1730. o2

5080 • RADIO SHACK (Wanted)

RADIO SHACK DX-390. Will trade mint Yaesu FRG-7 w/manual. Les, KB9CWR, 217, 582-2020. o1

RANGER:

5082 • RANGER HF

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5086N • REGENCY (Wanted)

REGENCY HR-2B, ANY condition. Also Harvey Wells VFO. Also Heath HG-10 VFO. Also Heath IC-10 scope. N9LIK, 715, 237-2633. o2

5091 • STANDARD HT

STD 168A HT 2M 40 mem. 3 batteries chargers soft case auto-DC adaptor w/Anli #800 telesc ant. $225.00. KB2TGR@JUNO.COM

STANDARD C-108A 2 meter handi talkie and Icom IC-228H 2 meter base. Best offers. Peter, K2MMT, 914, 241-9170. o2

SWAN:

5093 • SWAN HF

WHY IS AMATEUR RADIO Trader's classified section so big? Because it works! Call us today to turn your unneeded assets into $$$. 800, 774-2623.

SWAN 350A TRANSCEIVER and Heathkit HW-8 5W transceiver and power supply. Call for price. 615, 649-3129. o1

SWAN 250-C WITH 117X PS, NB, manual and mic. $250.00. Several 2 and 6M AM tube rigs. Russ Gundlach, 38 Clinton, Westfield, NY 14787. 716, 326-2090. n1

SWAN 400's (PAIR), 420 VFO, 406 VFO, 117V P/S, hand mic, VX-1. Best offer, sale or trade. Dick, KA5KKT, 606, 299-5547 or dickdick@juno.com

5093A • SWAN VHF

SWAN 250 6M. STORED for ten years. Does not work. Make offer. PWR sup incl. 919, 792-6614. cn3640@coastalnet.com

5093D • SWAN (Wanted)

SWAN ASTRO 102BX BY Cubic for parts or good working radio. Dick, 413, 533-9275. o1

WANTED: SWAN 160X, SWAN 350 parts set, 117X power supply for parts. Meade, 12711 Pinebrook, Hudson, FL 34667. 813, 863-2302. o2

TEMPO:

5093M • TEMPO HF

COULD YOUR SALES use a boost? Try a classified ad in Amateur Radio Trader. For as little as $10.00 you can start generating leads from all over the nation. Call today. 800, 774-2623.

TEN-TEC:

5094 • TEN-TEC HF

ARGOSY 525D, GOOD condition. $300.00. Ten-Tec 6M transverter, 20M in, 6M out, good condition. $150.00. (Both +shipping). 423, 337-3789. o1

MODEL-580 10-160M SB/CW solid state digital readout 100W plus model 580 remote VFO digital readout, also a Ten-Tec speech processor, MFJ Versa Tuner II, hand mic, manual, CW/SB filter. $475.00. Astron P/S 13.8VDC. $60.00 w/above unit. (Split shipping cost.) 609, 978-9674. o1

TEN-TEC DELTA 100W transceiver recently updated by Ten-Tec, including 80 ft. all band dipole. Ideal for new or senior Ham. Works great, will deliver within 200 mi. Best offer. Call 1-708, 345-8394. o1

TEN-TEC PARAGON WITH Ten-Tec antenna coupler. $900.00. Yaesu FR-101S full coverage rec. $175.00. Heathkit SB-634 2000W SWR and phone patch. $85.00. Kenwood SP-940 speaker with filters. $75.00. Call 561, 336-7217. o2

SCOUT, 9 BANDS, FACTORY switching supply, manual, extra plugs and cables. No mike or key. Looks new, works fine. $600.00. W5ZJO, 504, 924-3484. o2

TEN-TEC CENTURY 21, CW 80,40,20,15,10 meter bands. $150.00. Call Mike, 210, 679-6879 or E-Mail: AB5MH@JUNO.COM

TEN-TEC TUNER MOD 253. $750.00. 704, 864-7350, Tommy Brown, WA4QQO. n1

TEN-TEC CORSAIR all bands 30-160M 300W PEP deluxe power supply w/ammeter two microphones B&W 300W antenna tuner, all like new for $800.00. W8OAT, Jack Post, 616, 940-3685. RJPHAM@AOL.COM

CORSAIR-II PSU EXT-VFO mike, all Ten-Tec, works fine. Replaced w/Omni VI. $900.00 UPS. 407, 574-5868. Pick-up, save $50.00. o2

TEN-TEC OMNI VI. TWO 1.8KHz SSB filters and 500Hz CW filter. Box and manual. $1,575.00. Bob, N2OAM, 914, 628-5706. o2

5098 • TEN-TEC (Wanted)

WANT: TEN-TEC PARAGON II. Must be like new. 216, 656-8701. o1

WANTED: TEN-TEC ARGONAUT, Argosy, Century 21, Century 22. Phone 518, 568-5510, Du Wayne Pohleven, 5 Church St. Apt. 6, Saint Johnsville, NY 13452. o1

WANTED: TEN-TEC HF transceiver, Bird wattmeter, antenna, QRP equipment, QSL information, 6M SSB, key and mike. Prefer American made. John Braswell, KU4JM, 1116 Welborn Rd., Wilmington, NC 28409-4435. n1

UNIDEN:

5100 • UNIDEN HF

WHY IS AMATEUR RADIO Trader's classified section so big? Because it works! Call us today to turn your unneeded assets into $$$. 800, 774-2623.

UNIDEN HR-2510's: 10M mobiles, AM/FM/SSB/CW, 25W output, new in the box. $224.95 ea. 205, 482-2983, Sundance Electronics. d2

UNIDEN 2600 10M all-mode, includes mike and manual, excellent condition. $150.00 plus shipping. 810, 796-3274. o2

YAESU:

5106 • YAESU HF

YAESU FT-747GX, MIKE, cord, manual, excellent, Astron 50M P/S. Complete set $600.00. Realistic PRO-60, two weeks old, charger, nicads, manual. $250.00, shipped. Glenn, 319, 583-4058. o2

YAESU FT-ONE w/FTV-107R 160M-70CM all-mode complete w/goose-neck mic and new service manuals, excellent condition. Call before 1:30 PM, 608, 245-9671. o1

FC-757AT FULL AUTO antenna tuner operating manual and box. Excellent condition. $250.00 plus shipping $6.95. Jerry, N2JHV, 914, 292-6014. o2

FT-990 AC/DC ALL-MODE w/SP-6 speaker MD-1 desk microphone Bencher keyer. All manuals and original boxes. Virtually new, rarely used. List over $3,000.00. Asking $1,750.00 for this great bargain. KB1BXE, 207, 799-4395. o2

FT-ONE BASE RADIO, all-mode, solid state, general coverage receive. $775.00 +shipping. FT-7, 80-10M HF mobile. $175.00. FL-110 solid state amp, 80-10M, 100W out. $125.00. Won't separate unless radio goes first +shipping. FT-7B, 80-10M HF mobile, 100W, FC-7 digital readout. $285.00 +shipping. Temple 20-20, HF base w/tube finals 6146, 140W out. $275.00 +shipping. 318, 494-1182, Ray. o1

YAESU 1000MP W/DESK mic, DC model, perfect condition. $2,000.00. Kenwood 570D, includes mobile bracket, 5 months old, perfect condition. $1,200.00. Both for $3,000.00. 860, 666-4381. o1

YAESU FT-101ZD, WORKS all bands, owner's manual, shop manual. Good, clean radio. $400.00. 501, 477-5639. o1

FT-900C/AT, LIKE new w/remote kit, non-smoker, never mobile. $950.00, shipped. Jim, KQ4NZ, 904, 260-1958. o1

FT-101ZD 180W CW 150W SSB digital readout. $425.00. MFJ-784 DSP w/upgrade. $125.00. MFJ-1224 RTTY/CW interface. $75.00. U-ship. Ray, 916, 865-9623. o2

YAESU FT-757GX, ALL bands and modes HF transceiver, general coverage receive, mobile capable. $495.00. 205, 772-0052, WA4PUX, R.L. Kay, 808 Crestview Dr., Madison, AL 35758. o2

YAESU FT-101EE, MINT, less than five hours, original carton, manuals, very clean, no scratches, dings. $450.00, firm. Will ship. 501, 756-1697. o2

901DM W/SHURE MIKE & hand mike. $425.00. FV-901DM VFO. $180.00. SP-901P speaker patch. $80.00. James, WB5ORJ, 318, 798-1717. o2

YAESU FT-767GX HF + 2M all-mode, mint condition. $1,100.00. Dan, 909, 884-2558. n2

YAESU FT-767GX HF plus 2M 440 6M external speaker, box, manual, 440 module needs checking otherwise perfect. $1,700.00. Phone 606, 858-9264. o2

WANT TO TRADE YAESU 301D 200W PEP digital readout, good condition for Argosy 525 50W transceiver in same condition. KA0VTX, RR 3, Box 141B, Versailles, MO 65084. n2

YF-112A. $75.00. XF-10.9M-202-01. $85.00. TXCO-4. $55.00. New, Landliner. $55.00. IC-FL-83. $45.00. FL-34. $45.00. New. MFJ-9020 QRP, keyer, audio filter, as new. $175.00. 973, 728-2454. o2

YAESU FT-101E, VERY clean, operating, service manuals, digital readout. $325.00 obo +shipping. Narrow CW filter. WB2EXI, John, 607, 748-3017. o2

5107 • YAESU VHF

FT-726R ALL-MODE 2M, 6M, 10M modules, built-in power supply, manuals, no box. $750.00 firm. 814, 942-5844. o2

FT-736R 2M/70CM/ SAT, hand mic and MD-1B mic, matching speaker, box and manual. Must sell ASAP, my loss, your gain. $1,600.00. You ship. Mike C. days, 800, 226-5414. n1

5108M • YAESU DUAL BAND

FT-50RD/41B 144/440MHz, NC-50 rapid charger, Maha 5W/NMH, MH-34B4B speaker mic, Diamond SRH-519 antenna, ADMS-1C software+ cable, CT-30Y, CN-3, $700.00+ invested, mint, boxes. $375.00 all. I ship. Bill, AB4P, 407, 456-5646. o1

FT-736R W/TONE BOARD and MD-1 desk mic, box and manuals included. $1,650.00. Kenwood 2M HT 736 w/PS and speaker mic. $175.00. 316, 896-2307. o1

5109 • YAESU HT

YAESU FT-50R, NEW won at Hamfest. First $275.00. Birmingham area only. AB4HR, 205, 674-8171. o2

FT-530HT 144/440MHz charger hands free mic manual battery box. Like brand new. Comet external antenna too. Best offer. Evenings 847, 821-0617 or edyoung@ix.netcom.com

5110 • YAESU (Wanted)

WANTED: YAESU RMK-747 remote mounting kit. Also MMB-38 mobile bracket and TXCO-747 high stability crystal unit for Yaesu FT-747GX. Matt, N5UYK, 501, 524-4797. o2

WANTED: MINT FT-920 or FT-1000MP. K7UZN, 614, 284-1077. o2

SIX METER MODULE FOR Yaesu 767GX. KB0YZ, 515, 284-7069. E-Mail: dick1@netins.net

WANTED: YAESU 726R 6M modules and sat unit. Call days, Lou, N3DST, 215, 362-2266. o2

RADIOS (OTHER):

5112 • RADIOS (OTHER) HF

KNIGHT SPAN MASTER, oscilloscope, T-60, and Harvey Wells Band Master w/speaker. Some books. Mercury & Precision tube testers. Cost includes shipping. Mike, 6119 Northcott Ave., Norwood Park, IL 60631-2457. No calls please. o1

4 EA. SR-224T TRANSCEIVER and power antenna Matrix, test fixtures and spares. SR-210M for parts. Two Comtech 505 Agile RF modems. Dave Mallery, K5EN, 505, 783-4784. dmallery@cia-g.com

5113 • RADIOS (OTHER) VHF

SCANNER BEARCAT VHF R-1070, used but good condition. Make an offer. W1LTG, phone, 806, 794-4372. o1

2M HENRY HANDHELD radio S-15 w/rapid charger. $30.00. Also S-1 Henry handheld w/mic standard charger. $30.00. Good working condition. Herb Holzberg, KU2B, 732, 530-8555, PO Box 3323, Sea Bright, NJ 07760. o1

5115 • RADIOS (OTHER) HT

$500-$700, TOO MUCH for commercial legal radios? Get Ham and commercial in same radio from $400.00! 1-800, 755-7169 gets info. W6AXM. tf

MIDLAND HT CHARGERS #70-C02 wanted. Phone 360, 497-7075 or E-Mail: bohica@i-link-2.net

5116 • RADIOS (OTHER) (Wanted)

WANTED, ONE OF THE following scanners: PRO-2006, FRG-9600, Winradio, PRO-43. Will accept some cosmetic damage but price will be a factor of condition. No moded scanners please. Contact kc7wdv@aol.com

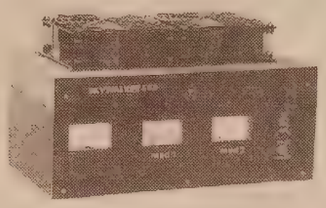
LOOKING FOR HT, mobile used radios. 2M, 220MHz, 1.2GHz and accessories. Fax: 714, 489-9157 or gammaep@aol.com, MGA. o1

WANTED: MULTI-ELMAC PMR-8 receiver, AF-68 transmitter, PSR-117 power supply. 352, 629-4582. n1

WANTED: SSB HANDHELDS 2M, 6M, 10M, and any HF band. AEA, Tokyo, High Power, Mizuho, Mishumi, or others. Dan, W5DF, 281, 483-7189 or w5df@clarc.org

AMPLIFIERS:

5120 • HF AMPLIFIERS



HF AMP KITS, 2SC2879, 1.8-30MHz, 14VDC, 500W. $250.00. 1KW. $500.00. SASE, Lee, KD4YBC, 197 Chickasaw Ln, Myrtle Bch, SC 29577. http://users.aol.com/rfelectron/rfelect.htm

3-30MHz 13.8 VOLT DC mobile linears. Messenger models M175/$145, M250/$170, M300/$245, M350/$265, 500HD/$365, 500/$395, HAM500/$365, HAM800/$575, HAM1200/$750. Others available. Some special orders taken. 50MHz, 144MHz, 220MHz models. Only licensed amateurs may call 408, 782-0064. Bill, K8WN. o2

MAGNUM 300 10M BILINER amplifier, 1 to 15W in, up to 350W out. AM/FM CW/SSB hi low. $275.00. Robert, 607, 739-9112, after 4PM weekdays, anytime on weekends. o1

TL-922A LINEAR AMPLIFIER, mint condx with spare 3-500Z, 10-160M, two years old. $1,000.00 firm. Bill, K7ZM, 541, 389-6258, after 6PM/PDT. o1

HEATHKIT SB-220 linear amplifier for pick-up only. $450.00. 805, 446-9225. n1

YAESU FL-7000 HF linear amp, mint, low hours, FAS-1-4R ant. sel., cables, manuals. $1,500.00. KC4DX, Don, 540, 495-7821. o1

FOR SALE: TEN-TEC Hercules II, model 420 solid state linear amplifier w/264 remote control, model 9420 power supply, and Ten-Tec model 238 antenna tuner, little use, like new. Sell as package only for $1,500.00. Greg, W5ZNT, 703, 938-1329. o1

AMERITRON AL-1500 2000+ watts output 160 thru 10M. Looks & works great. Will meet buyer within reasonable distance of Alabama. Too heavy to ship. $1,500.00 firm. Tom, W4TH, 205, 593-0164. n1

HENRY 2K, 2-NEW 3-500Z, new Peter Dahl Hypersil transformer, other 2M gear. Friend quit Hamming. $950.00. K7ATX, 509, 773-4757. o2

SELL: THE BIG GUN-Henry 3000D amplifier. 5Kw input, 3Kw output, 3CX3000A7 in final (low time good tube), w/3PH PS (only plate xfmr is 3PH) rest is 110/220 1PH. Currently fixed freq. w/counters and small range tuning caps. In cabinet 4.5ft. high, 450#. $900.00 +shipping (est. $200). Dan, 505, 269-2056 cell or wk: 505, 883-6250. o2

HEATH SB-230 LINEAR amplifier 80-10 amp 1200 PEP, manuals, working fine. $200.00. Hank, WA4VSP, 770, 567-3354. o2

AMERITRON ALS-600 LINEAR amplifier w/power supply, brand new, includes manual and all cords. Will ship. $800.00. 415, 673-9948. o2

A.P. COMMUNICATIONS HF amplifiers heavy duty, mobile AM/FM/CW/SSB 10-80M operation built-in cooling fan, all "X" models, variable output DC/AC boxes by Alex: P-2X-275 output $290.00, P-4-500 output $400.00, P-4X-500 output $445.00, P-8-1050 output $700.00, P-8X-1050 output $755.00, P-12-1600 output $1,050.00, P-16-2100 output $1,265.00, P-3000-8000 output $3,650.00, Palomar TX-225 $185.00, TX-250 $200.00, TX-400 $275.00, 10M radios for sale. Sell to licensed amateurs only. Call 215, 425-3073. n2

ICOM 4KL AMPLIFIER. Good shape. Price reduced. Call 423, 877-4018. o2

5121 • VHF AMPLIFIERS

MAHA AMPLIFIERS starting at $69.95. Turn your 2M or dual band HT into a 50W mobile rig w/the new Power Docking Booster. Call C.G.A. Enterprises, toll free 888, 510-7373. E-Mail: mail@cga-usa.com

5122 • UHF AMPLIFIERS

MIRAGE B-3016G TWO meter and Mirage D-3010N 435mh. Call Emil, 409, 967-4840. o1

5123M • ANTENNA ACCESSORIES

PORTABLE OPERATING IS finally easy and fun. The portable mast by New Wave Antenna is the best lightweight mast in history of amateur radio! Available from Amateur Electronic Supply, Milwaukee. o2

5124 • ANTENNA TUNERS (For Sale)

HEATHKIT SA-2060A. $200.00. Miller A-2500 automatic. $450.00. Homebrew roller. $40.00. Homebrew tapped. $30.00. Each plus shipping. Thomas Wright, 305, 665-3302, N4GPV, 3758 Matheson Ave., Miami, FL 33133. o1

SR-610M ANTENNA COUPLER, ten channel, remotely tuned, used with SR-206 HF xcvr. Two units, one slightly damaged. Tech manual. $150.00 plus shipping. Gary, KN4SJ, 912, 328-1576. n2

5125 • ANTENNA TUNERS (Wanted)

AUTOMATIC ANTENNA COUPLER, must tune balanced and unbalanced lines 1.5Kw min. 1.8-30MHz. Advise specs and price. Call Jerry, WA2WPR, 914, 633-0559 or fax 914, 633-9315. o2

WANTED: ANTENNA TUNER, mobile service to tune Icom 706, can use Icom, Alinco, Motorola, etc. 281, 333-4460. n2

ANTENNAS:

5128 • BASE ANTENNAS

DOUBLE BAZOOKA (160-17M) broadband HF antennas that out perform wire and vertical antennas. Extremely quiet +98% efficient. Phased array add-on producing 4.5dB gain and 20dB F/B. Call International Antenna Corp. 407, 380-6270. www.iacantennas.com

YAGI ANTENNAS: $35.00 to $55.00, 144-462MHz, amateur & commercial, $10.50 S&H. B&F Antenna Systems, PO Box 214, Parsippany, NJ 07054. 973, 887-8474, leave message, will mail specs. d2

QUADS, 5 BAND, 2 element. $289.00. Lightning Bolt Antennas, RD 2, Rt. 19, Volant, PA 16156. 412, 530-7396 phone; 412, 530-6796 fax. See our web page: http://www.tdws.com/lbq

DP-8 ANTENNA CAN handle 5Kw and consists of 8 closely spaced full size dipoles for each band from 80-10M, 125'. $139.00. DP-8S, 65'. $159.00. DP-9 also covers 160M, 240'. $189.00. DP-9S, 130'. $210.00. Add $8 ship. Morse Code computer interface $49.95, w/CW processor $69.95. Free Ham and Shareware catalog. Dynamic Electronics, Box 896, Hartselle, AL 35640. 205, 773-2758; fax 205, 773-7295. dei@whnt19.com, http://www.hsv.tis.net/~dei

HY-GAIN PENETRATOR 500 base. $75.00 obo. Cushcraft A147-20T same as 148-20T. $70.00. Cushcraft A147-22 same as 148-20S. $145.00. All antennas are new in box. Plus shipping. WB0QHK, Gordon Cassidy, RR 2, Box 315, Austin, MN 55912-9665. 507, 433-9650. o1

80 METER DX four square Comtek ACB-4 four KLM SSV80-40-15 self-supporting 65' towers, mint, barely used. Cost $4,483.00, sell $2,241.00. Trade FT-1000D/MP, descriptive brochure available. Lee, N0LYW, 970, 856-6611, lee@gj.net

45' CRANK-UP TOWER. $25.00. Crushcraft 10M beam antenna. $50.00. Howard Mount, N6PYR, 510, 837-4208, California. o1

CUSHCRAFT A-3 & HAM IV, on ground in TN. $250.00. Drake TR-4 & L-4B in Honolulu. $400.00. Lawrence Shipley, K7LS, 2421 Tusitala St., Honolulu, HI 96815-3151. o1

TWO METER EAGLE QUADS fiber glass spreaders ten gage wire. $66.00 plus shipping. 8 lbs. Made by O.F.A.R.T.S. 14900 Grand River, Eagle, MI 48822. 1-517, 627-7151. o1

3 ELEMENT TRIBAND quad (Skylane) for sale or trade. $50.00. One broken spreader. Pick-up only, near Birmingham, AL. Alan, 205, 221-0802 or E-Mail: ke4nu@sonet.net

ANTENNA VIDEO SEE Propagation demo, 20+ types. $16.95. Bill Thompson, 20100 Williams Drive, North Fort Myers, Florida 33917. o1

MOSLEY CL-33 BEAM, 5 sections Rohn #25 tower, Ham-M rotor. $350.00. WA9GIU, Ralph, 414, 781-7714. o1

FOR SALE: AEA ISOLOOP 10-30 with optional IT-1 automatic tuner, like new. $350.00. Greg, W5ZNT, 703, 938-1329. o1

KLM BIG STICK 5 element/ Balum 20M mono, 42 feet long, used, excellent condition. List price $837.00. My price $485.00. Pick-up only. Days 914, 578-6522. o1

A5 MULTIBAND VERTICAL antenna. List price $218.00. Used, $129.00. Pick-up only. Days 914, 578-6522. o1

WHAT IS THE BEST bargain in ham radio? How about a classified ad in Amateur Radio Trader? For as little as $10.00 you can reach a nationwide audience of ham radio buyers. Call or Fax today. 800, 774-2623, Fax 800, 423-9030.

SIX METER CUSHCRAFT A50-5S 5-element beam. 12' boom stainless steel hardware. 10.5dB gain, 1000W, like new. $125.00. Six meter Cushcraft AR6 Ringo Ranger. 1/2 wave 1000W. Needs no radials. $50.00. Bob, N5TSF, 501, 329-3233. o2

GET THE EXTRA IMPACT of bold ads like this. Remember to ask for BOLD when placing your Amateur Radio Trader ads.

TBR-160 RESONATOR KIT for Butternut HF-2 or HF-6. $65.00. Butternut HF 2V. $75.00. Alpha Delta DXA sloper. $45.00. 814, 382-0619. o2

LIGHTNING BOLT 5 BAND quad. $100.00. 50' tilt-over tower located Western Oklahoma. W0EKV, 405, 343-2308. n2

5129 • MOBILE ANTENNAS

NO LEADS, NO CLIPS, no moving parts 80-10M (optional WARC bands) as little as $89.95 +shipping. AXM, Inc. 1-800, 755-7169. tf

HI-SIERRA 10-80M antenna w/motor drive tuning feature. Tune from your front seat 1.1:1 on all bands. Includes mounting bracket. $200.00. Call Chris, WB4MAZ, 1-888, 422-4322 home; 1-888, 422-3722 work. E-Mail: captainchris@juno.com

FOR SALE: SGC SMART Tuner system w/quick mount system for vehicle, SG-230 Smart Tuner automatic antenna coupler, and all band SGC-303 antenna. Total package $600.00. Greg, W5ZNT, 703, 938-1329. o1

5130 • ANTENNAS (Wanted)

I AM LOOKING FOR A dual band 2M 70CM antenna. Wishing to pay $50 to $150. Please send info to KF4SEK, 7148 Carillon, Cocoa, FL 32927. o1

WANT NEW IN BOX Gap IV Voyager antenna. Rob, N0JR, 319, 277-1499. o1

5132 • ANTIQUE RADIOS (For Sale)

ANTIQUE RADIO CLASSIFIED. Free sample copy! Antique radio's largest-circulation monthly magazine. Old radios, TVs, ham equip., 40s & 50s radios, telegraph, books & more. Ads & articles. Free 20-word ad monthly. Subscribe today. Six-month trial: $19.95. Yearly rates: $38.95 ($55.95 by 1st class). Foreign: write. ARC, PO Box 802-A32A, Carlisle, MA 01741. Phone: 508, 371-0512; fax: 508, 371-7129; Web: www.antiqueradio.com. tf

CLASSIC RADIOS. RADIOFINDER web list revised weekly: www.radiofinder.com Tel/fax: 1-313, 454-1890. finder@radiofinder.com

CRYSTAL SET PROJECTS: 15 radio projects you can build. Xtal Set Society's design contest compilation featuring new projects for all levels: loops, multi-tuned, home-made capacitors, shortwave. 6x9 paperback, 160 pages, $17.45 including shipping. PO 3026, St. Louis, MO 63130. 800, 927-1771. MC/Visa. www.midnightscience.com

RCA STRATOWORLD MODELS 1-MBT-6, 3BX71, Hallicrafters Sky Buddy S-19. $75.00 each. Long life Poland light bulbs for juke boxes, fans or home, 40 to 100W. $1.00 each plus S&H. Carl Duck, 305, 949-2644, PO Box 1931, Hallandale, FL 33008-1931. o1

MODEL 83YU726 ALLIED Knight amateur receiver, needs alignment otherwise ok. Also Knight Signal Tracer, sweep generator and VTVM. All work like new, complete manuals for all. Call 1-816, 332-7042. n1

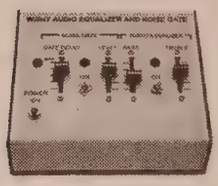
60s GEAR: GALAXY V transceiver. $125.00. Galaxy remote VFO. $60.00. Galaxy speaker. $10.00. WRL power supply. $60.00. Lafayette HA-225 receiver. $50.00. Hallicrafters SX-140 receiver. $90.00. Will ship. Brian Franzen, 303, 750-5496. bfranzen@ecentral.com

5133 • ANTIQUE RADIOS (Wanted)

WANTED: GOOD WORKING classic 1940s, 1950s, 1960s amateur radios: Collins, Hallicrafters, Hammarlund, National, Johnson, etc. www.radiofinder.com Tel/fax: 1-313, 454-1890. finder@radiofinder.com

NEED SIX METER AM receiver to go with T-60 transmitter or good old transceiver 6M such as Gonset G-50, etc. Also interested in worldwide receiver Hallicrafters, Hammarlund, etc. KU4HW, Alan, Carney, 7127 Washington Pike, Corryton, TN 37721-4112. o1

5134M • AUDIO EQUALIZERS (For Sale)



W2IHY AUDIO EQUALIZER AND NOISE GATE

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5135 • BATTERIES (For Sale)

HT BATTERIES, NEW nickel metal hydride batteries from Maha. No memory, overcharge protection, longer life, smaller size, lighter weight. Call C.G.A. Enterprises, toll free 888, 510-7373. E-Mail: mail@cga-usa.com

NICAD BATTERY PACKS, CNB-152 for Standard HTs and RBP-120 for ADI HTs. Brand new. $25.00. Call AVT, 626, 286-0118 or E-Mail: aj547@lafn.org

5136 • BATTERIES (Wanted)

WANTED: BP-6 BATTERY for Icom 2AT handi talkie. WB9YSJ, Dave, 773, 735-2136 days, 708, 598-8430 nights. o1

5136M • BOOKS (For Sale)

NEW AND **UPDATED MORE INFO.**

ULTIMATE MODIFICATION Bible Vol. 6. Updated and more complete. 1000 mike wiring, 500-11 meter modulation boost, 200-11 meter PLL mods, 200 Ham radio mods. 30 scanner mods. Only $29.95. M.O./Visa/MC/Disc. Orders only: 1-800, 256-9895. KDC Sound, PO Box 8622, Grangerland, TX 77302. o1

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EVOLUTION OF THE AUDIO RECORDER. Brand new, 500 pages, hundreds of illustrations and models, many color, vintage years 1946-1972. $34.95. EC Designs, PO Box 33, Genesee Depot, WI 53127-0033. o1

CB TO 10M MODIFICATIONS! Books, plans, frequencies, sliders, FM, amplifiers, repairs, high-performance accessories. Catalog $3. CBCI, Box 31500TR, Phoenix, AZ 85046. 888, 643-1800. o2

"TRANSMITTER HUNTING RADIO Direction Finding Simplified" is 323 pages of projects, RDF techniques, reviews, and "secret weapons". $24.95 includes first class shipping. Joe Moell, PO Box 2508, Fullerton, CA 92837. n2

5136N • BOOKS (Wanted)

WANTED: ANTENNA BOOK covering wire antennas and others, plus a Swan HF rig, cheap! Call Jerry Williams, 502, 247-3174. o1

5136S • BUSINESS BAND MISC.

JOHNSON FLEETCOM II, 800MHz (will work 900MHz). $35.00. 10/$250.00. Midland 70-475, VHF, 110W. $110.00. 70-526BXL, UHF. $165.00. Overstock specials on mics, speakers, control cables & heads. Catalogue available by fax or E-Mail only. Starks Electronics, 417, 998-6517. E-Mail: military-radio-guy@juno.com

5137 • BUSINESS OFFERS

HOME AUTOMATION. BECOME a dealer in this fast-growing field. Free information. Call 800, 838-4051. n2

5138 • CALL BOOKS (For Sale)

CALLBOOKS ON CD-ROMs, original Radio Amateur Callbook. $35.95. QRZ. $14.95. Add $2.00 postage. Radio Devices, 1-800, 484-7040 X4856. http://www.ultranet.com/biz/raddev

5141 • CALL SIGN DATABASE

WANT A HISTORY OF your amateur call? Name and address of each prior holder since 1912 for $20. Bob Arrowsmith, K4JN, PO Box 166, Annandale, VA 22003. 703, 560-7161. n2

5141M • CALL SIGN NOVELTIES

RADIO CLUB BANNERS, magnetic signs, decals, more! Free catalog. Old West Graphics, 490 N. St. Louis, Loveland, CO 80537-5878. tf

SHACK ATTACK, HAM accessories, EZ-mount mobile system, CD-ROM, emergency ID, books. Free catalog: 435, 878-2760, kb7vrd@aol.com. Online catalog: www.vcnet.com/sa

5143 • CLOCKS (For Sale)

HAMMARLUND REPLACEMENT clocks for sell. See ad under 5039 for details. o2

NEW SEIKO WORLD Timers: touch sensor $60, beautiful gold mantle $100. Johnson Speed-X key, box $50.00. New Sony SW-20, tiny $90.00. WB9YCJ/6, 714, 564-9010. o1

5146 • CLUBS

KARNS CITY AMATEUR Radio Club, PO Box 30, Chicora, PA 16025-0030, is seeking new members. Free membership! For details, send a SASE to the address listed above. DE KB3BTE. n1

5148 • COAX SWITCHES (For Sale)

BIRD 74. $155.00. 718. $165.00. 72-R. $145.00. B&W 375. $30.00. 550A. $28.00. 551A. $38.00. 592. $22.00. 376. $30.00. Telonic TS-200A BNC. $65.00. 973, 728-2454. o2

5151 • COAXIAL CABLE

TIMES MICROWAVE double shielded cables. LMR-400 @$.52ft. (100' assembly $67.00). LMR-400UF @$.75ft. (100' assembly $81.00). LMR-600 @$1.22ft. (150' assembly N-connectors $295.00). Quantity price breaks!! Visa and M/C accepted. KB5ATE, Alan, 940, 476-2520. o1

NEW 500 FT. SPOOL Teflon coated RG393/U Times Fiber Communications transmission line. 50 ohm (not fiber optic). $5,000, list price. Yours for $3,500.00. Call 717, 888-0072, N3XTU. n2

5153 • COMPUTER PROGRAMS (For Sale)

FREE DISK CATALOG of Ham radio and other IBM shareware programs and CD-ROMS. Mom 'N' Pop's Software, PO Box 15003-HB, Springhill, FL 34609-0111. 1-352, 688-9108. Specify disk size. momnpop@gate.net

HAM CLIPART CD FOR QSLs, newsletters, web sites. CD also includes US callbook, Ham programs, more. Send $19.95 to N7LN Hamware, PO Box 454, Lehi, UT 84043. http://www.qsl.net/n7ln; n7ln@qsl.net

5155 • COMPUTER REPAIR

COMMODORE/ AMIGA authorized service: Paxtron is the largest Commodore/ Amiga computer service center in the country. We also sell parts and upgrades. Check out our web page for complete list of parts and services at www.paxtron.com or call 800, 595-5534 or E-Mail us at paxtroncorp@rcknet.com

5156 • COMPUTERS (For Sale)

HEATHKIT MICROPROCESSOR Trainer model ET-3400A and EE-3401 continuing education course manual. $100.00. N6UE, callbook address or 805, 937-6938, Ray Isenson. o1

COMPUTER EQUIPMENT FOR sale: Several 286 systems without monitors. $15.00 each. Assorted computer cards from $5.00. Wanted: good 2M HT for $150.00 or less. Wanted: "QRP Classics" and other books. Leave msg., 423, 435-1785. o1

FOR SALE: 14400 BAUD modem, good. Used a while but still works. $20.00. If interested, write to KF4SSW, C.J. Burchfield, 1618 Brewton St., Tarrant, AL 35217. o1

PENTIUM 133 16MB RAM, 1.3 gig hard drive, 8X-CD, sound, 2Mb/SVGA card, 33.6 modem. $800.00 obo. 219, 282-1662, after 6PM/ message. South Bend, IN. o2

PENTIUM COMPUTER: I have 19 brand new mini-tower 133MHz Pentium (AMD K5-133) computers. Fully tested. Includes Motherboard & CPU, 16Mb RAM 230W PS, Sony 1.44Mb floppy, 2Mb PCI SVGA card. You add the hard drive, keyboard and monitor. $350.00, delivered. Except AK, HI & PR. Add $40 for an Intel chip. Call Jerry, W2GIA, 800, 833-6893, Disks N Data, PO Box 8428, Cherry Hill, NJ 08002. o2

TRS-80 MODELS 1,3,4,100 pocket computer, Coco. SASE for list to: TRS-80 Again, 100-D W. Falls St., Kings Mountain, NC 28086. n1

DIGITAL EQUIPMENT CORP. PRO-350 personal computer w/software, modem, printer and manuals, like new. Not IBM but heavy duty learning tool. Swap for late model 2M/440MHz transceiver, obo. W4NYB, 904, 462-0521. n2

5159 • CONNECTORS (For Sale)

FREE CATALOG: WHOLESALE prices, no minimum order, our 19th year. Connectors, adaptors, DC wire. Tower Electronics-Green Bay, WI. Mastercard & Visa. We'll even pay for the call! 1-800, 662-3422. jn1

5163 • CRYSTALS (Wanted)

NEED XTALS FOR DRAKE TR-72 and Standard SR-C806MU 2M rigs. Send list to: Carl Barbour, 553 36th St. NW, Roanoke, VA 24017, KA4NCL, 540, 342-8489. o2

5165 • CW, CODE COURSES/ LICENSE

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5169M • ESTATES (For Sale)

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100W ATV RPTR. $2,000.00. In it new tested one hour shut down no cord. DFW area. 900 434 xtal cont. horiz. $1,700.00. CTC, AA5BQ, Dorothy Ramay, 817, 572-5236. o1

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RCA BASE STATION CSC60B3-H 151.805MHz. Pick-up or U-ship. $200.00 or best offer. Call W2AEI, Paul, 609, 393-5640 or w2aei@juno.com

HARD TO GET SMALL parts for popular solid state QRP receivers, transmitters, tuners, and converters. 64¢ stamp for list. Also 4,000 new tubes. Call 517, 685-2322, Technitron America, 3579 Grandjean Rd., Rose City, MI 48654. o2

BUSINESS FOR SALE! Amateur radio business. Dealerships established. Northwest US area. Other business! Must sell this one! E-Mail serious inquiries to: hamman4@juno.com

AMATEUR RADIOS, SCANNERS, Kenwood, Galaxy. Econn Electronics, Marcus Plaza, 624 West Main Street, Suite #60, Norwich, CT 06360. 860, 823-1230. n1

HEATHKIT RLC BRIDGE. $30.00. Heathkit electronic design breadboard. $35.00. Hammarlund HQ-100. $175.00. Cushman CE-5 communications monitor and manual (non-working but looks repairable). $100.00. You ship. Call Bob, WD4OHD, 423, 843-2160. n1

HEATHKIT AV-3 AUDIO VTVM and TC-2 tube checker. Old Hallicrafters Sky Champion S-20R receiver, poor condition. All $100.00. W5VTX, 281, 363-9728. o2

HAMMARLUND HQ-180. $275.00. AEA AT-300 tuner. $160.00. Kenwood TS-820. $350.00. Swan WM-1500 wattmeter. $45.00. John Yurcik, 25 Kitchell Ave., Wharton, NJ 07885. Phone 973, 361-6159, call after 6PM. n2

KENWOOD MC-60A. $85.00. SP-430. $75.00. PC-1A. $65.00. TS-520SE. $350.00. TH-77A w/3 batteries KSC-14 charger open for 2/440 aircraft 800/900 CAP/MARS. Checked by Kenwood. $300.00. Call Walt, 541, 885-8207. E-Mail: wjonesIII@usa.net

5172 • FREQUENCY COUNTERS (For Sale)

OPTOELECTRONICS M-1 portable, case, antenna, rechgr, manual. $150.00. WA4YKV, RR 3, Box 454B, Havana, FL 32333. 850, 539-5906. o1

5175 • HAMFEST

ALABAMA (MONTGOMERY) Nov. 8. The Montgomery Amateur Radio Club will host the 1997 Alabama ARRL State Convention and the 20th annual Montgomery Hamfest and Computer Show in Garrett Coliseum at the South Alabama State Fairgrounds located on Federal Dr. in the North Eastern section of historic Montgomery. Adm. $5, free parking, all indoors, including the flea market. Set-up 3 to 8PM, Fri., Nov. 7 and 6 to 7:30 AM, Sat., Nov. 8. Doors open to the public from 8AM to 5PM CST. FCC exams on site beginning at 8AM. TI: 146.24/84, call W4AP, Ragchew 146.32.92 (with phone patch, *up/#down), 147.78/18, 449.50/444.50. Flea market reservations are encouraged. Kickoff banquet Fri. evening, Nov. 7, at Bonnie Crest Country Club with ARRL national staffer Rick Palm, K1CE. Contact Patty at 334, 567-7195 or E-Mail: prolan@juno.com for reservations. ARRL QSL card verification for all awards (WAS, DXCC, etc.) on site. For more information or table reservations, write to Hamfest Committee, %2141 Edinburgh Dr., Montgomery, AL 36116-1313 or phone Phil at 334, 272-7980 after 5PM, fax 334, 365-0558. E-Mail: WB4OZN@worldnet.att.net

ARIZONA (YUMA) Nov. 8. Harvey Katterhagen, N7WAQ. n7waq@juno.com

CONNECTICUT (DURHAM) Oct. 12, 9AM-3PM. 1997 Nutmeg Hamfest & Computer Show is proud to present the 5th annual ARRL Connecticut State Convention. Location: Durham Fairgrounds, Durham, CT. Featured speaker: John Hennessee, N1KB, ARRL Regulatory Specialist "Are Amateur Radio rules hazardous to your health?" Giant Ham radio and computer flea market, official 1997 ARRL CT State Convention, leading commercial vendor displays: Lentini Communications, KJI Electronics, VEC exams (register in adv.), ample free parking, only 10 mins. from Interstate 91. General adm. $5, under 12 free. Selling space inside: includes one 6x8 ft. booth, table (6 ft. min.) $15. Outside: tailgate/camp site, 30 ft. space $10. General information: Packet inquiries: W1KKF@W1NRG.CT.USA.NA. E-Mail: wawrz@juno.com. VEC exam registration, Joel Curneal, N1JEO, 203, 235-6932. Vendors: Gordon Barker, K1BIY, 9 Edge Wood Rd., Portland, CT 06480. 860, 342-3258. o1

MASSACHUSETTS (CAMBRIDGE) Oct. 19. Nick Altenbernd, KA1MQX, 617, 253-3776. o1

CALIFORNIA (CONCORD) Oct. 17-19. Pacificon '97, the Pacific Division convention of the American Radio Relay League, is being sponsored by the Mt. Diablo Amateur Radio Club. The site of the event, the largest amateur radio convention in California, is the Concord Hilton Hotel, 1970 Diamond Blvd., Concord. The event begins at 8AM, Fri. Oct. 17 with an antenna seminar. Tickets for the antenna forum at $10 per person must be purchased in adv. Tickets for admission to forums and vendor areas are $5 at the door. TI: will be conducted on the Mt. Diablo Amateur Radio Club's 2M repeater on 147.06+ with a PL of 100. Further information on Pacificon '97 is available by calling the hotline at 510, 932-6125, by E-Mail: PACIFICON@DESIGNLINK.COM or on the www.mdarc.org web page. Tickets for the antenna forum, banquet and general admission can be obtained by mail by writing: Pacificon '97, PO Box 272613, Concord, CA 94527-6125. Our special guest this year is Steve Roberts, N4RVE. From 1983 to 1991, Steve pedaled 17,000 miles around the United States on a computerized Ham shack. Steve has now retired the $1.2 million Behemoth and is designing and building a pair of pedal/ solar/ sail micro-trimarans known as Microships. o1

MONTANA (BOZEMAN) Oct. 18. Laura Lubner, KJ7UN, 406, 388-6207. o1

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FLORIDA (PORT ST. LUCIE) Nov. 8, 8AM to 2PM. Spr: Port St. Lucie ARA. St. Andrew Church, Prima Vista Blvd. (St. Lucie W. Blvd.); E. from Exit 63C off I-95 or W. from US 1. TI: 146.955. Adm. $2. Frank Herring, N4FBX, 2550 SW Calendar St., Port St. Lucie, FL 34953. 561, 336-7169. o2

FLORIDA (SORRENTO) Nov. 1, 8AM to 4PM. Hamfest and Electronic Expo, sponsored by Lake Amateur Radio Association, will be held at East Lake Chamber of Commerce, Sorrento, FL. Adm. $5. Vendor cost $10 (includes one adm. ticket). Vendor set-up times: Fri., Oct. 31, 3PM to 6PM; Sat., Nov. 1, 6AM to 8AM. TI: 147.255+ 442.90+. VE exams at 10AM, walk-ins ok. For further information and table reservations please contact: Chuck Crittendon, KE4EXM, PO Box 615, Altoona, FL 32705. 352, 669-2075. o2

FLORIDA (STARKE) Oct. 17 & 18. Friday 1300 to 2000, Sat. 0800 to 1500. The Amateur Radio Club, Bradford Area presents its 7th annual Starke Hamfest & Computer Show. Location: Bradford County Fairgrounds on US 301 North of Starke. Adm: families $4, tailgates $4 (+ ticket). Tables: $5 (+ ticket). TI: 145.15(r) or 146.52(s). License testing is being planned! To reserve a seat, phone Warren Croke, NW4C, 352, 378-0935. For information, tickets & tables, send requests and SASE to: Dan Phillips, K4RVD, 352, 475-2695, 8214 Carl Brook Rd., Keystone Hts., FL 32656. o1

FLORIDA (TITUSVILLE) Nov. 8. Titusville Amateur Radio Club Hamfest will be held at Fox Lake Park main pavilion. TI: 146.910/146.970MHz. Tables $5. Tailgate $3. Electricity $1. All tables under roof, free admission. Table info: Clyde Lee, K4EOS, 5350 SR 46, Mims, FL 32754. 407, 267-9375. Chairman: Bud Hughes, K4CWG, E-Mail: bhughes@expedient.com

PENNSYLVANIA (GREENSBURG) Oct. 19. Al Compton, N3LQX, 412, 523-3727. o1

FLORIDA (WEST PALM BEACH) Oct. 18-19. Sat. 9AM to 5PM, Sun. 9AM to 3PM. Spr: Palm Beach Repeater Assn. S. Florida Fairgrounds Expo Ctr., State Rd. 80, 7 mi. W. of I-95. Amateur Radio and Computer Show, VE sess. (both days, 9AM), full hook-ups available for RVs on site, ample free parking. TI: 147.165. Adm. adv. $4, door $5. Wayne Cunningham, AD4AK, Box 461, Lake Worth, FL 33460-0461. 407, 697-4231. o1

GEORGIA (LAWRENCEVILLE) Nov. 1-2. Sat. 9AM to 5PM, Sun. 9AM to 3PM. Spr: Alford Memorial RC. Gwinnett County Fairgrounds. VE sess., forums. TI: 146.76 (107.2Hz), 145.45, 444.25 (131.8Hz). Adm. adv. $6, door $8 (students $6, under 12 free). Randy Bassett, KR4NQ, Box 1282, Stone Mountain, GA 30086-1282. 770, 410-3989. o2

GEORGIA (WAYCROSS) Oct. 12, 8AM to 4PM. Okefenokee Amateur Radio Club 5th annual Hamfest, will be held at Waycross Ware County Airport at EMA office. Note new location. TI: 146.640- repeater. Test exam all classes 9AM. For information contact: Don Hinchew, AE4PO, 912, 283-9553 or write or call David Sweat, AE4OF, 912, 283-4603, 2005 Sunnyside Dr., Waycross, GA 31501 or E-Mail: ae4of@juno.com

ILLINOIS (GODFREY) Oct. 18, 8AM. Spr: Lewis and Clark RC. Lewis and Clark Community College. VE sess. TI: 145.23. Adm. $2, 3 for $5. Dennis Tuchalski, N9WDQ, 2300 Morning Star Dr., Alton, IL 62002-5623. 618, 462-0048. flash@ezl.com; http://www.ezl.com/~lmiller/lcrc.html

ILLINOIS (MACOMB) Nov. 9. Set-up Sat. 7-9PM, Sun. 7AM; public 8AM to 1PM. Spr: Lamoine Emergency ARC. National Guard Armory, 1 mi. S. of Macomb Town Square on Lafayette, 1 block W. on Grant. VE sess. TI: 147.06, 444.3. Adm. adv. $3, door $4. Tables $5. Kathy Page, N9KP, 580 W. Penn, RR 1, Box 4, Roseville, IL 61473. 309, 426-2723. o2

ILLINOIS (SALEM) Oct. 19. Set-up 6AM; public 8AM to 2PM. Spr: Centralia Wireless Assn. Salem Community Activity Ctr., follow posted signs in Salem to Comm Ctr., E. Oglesby and Rotan Sts. Flea market, exhibit displays, commercial Ham equipment, computer dealers, VE sess. TI: 147.27. Adm. $2. Tables: reserved in adv. basis. Daisy King, AA9EK, 776 Bethel Rd., Sandoval, IL 62882. 618, 532-6606. o1

INDIANA (EVANSVILLE) Nov. 29, 8AM-2PM Central time. Evansville Winter Hamfest, sponsored by EARS, will be held at Vanderburgh County Fairgrounds. TI: EARS wide area repeater network 145.150 Evansville, 146.925 Vincennes. Alternate: EARS repeater 145.110-. Use 107.2 CTCSS on all frequencies listed. Free parking, indoor flea market, great food, commercial dealers, all indoors. Wall space (2'x8' table) $10 each. Flea market table (2'x8') $7 each. Low! Admission price $5. For table reservations or information, contact: Neil, WB9VPG, 812, 479-5741; or write: EARS, 1506 S. Parker Dr., Evansville, IN 47714; or E-Mail: EARSHAM@aol.com

INDIANA (FORT WAYNE) Nov. 15-16. Sat. 9-4 EST, Sun. 9-3 EST. Fort Wayne Hamfest & Computer Expo, sponsored by Allen County Amateur Radio Technical Society (ACARTS), will be held at Allen County War Memorial Coliseum Exposition Center. 152,000 sq. ft. of indoor space, over 1,100 tables. 1996 attendance topped 7000! Large flea market, forums & meetings, many commercial vendors, new & used dealers, computers & software, national Ham manufacturers. No advance ticket sales. Adm. $5 at the door only, 11 and under free with adult. Coliseum parking $2 per vehicle. TI: 146.88 (-). 1997 Indiana ARRL State Convention. Tables: $15 flea market, $30 premium, $25 electricity. For info or table orders, send SASE to: ACARTS, PO Box 10342, Fort Wayne, IN 46851 or call for table info or questions 219, 483-8163, for general info or questions 219, 484-1314. n1

INDIANA (LEBANON) Oct. 26, 8AM till ? Boone & Clinton Co. ARC Hamfest will be held at Boone Co. Fairgrounds, Lebanon, IN. Set-up: Oct. 25, 1-6PM. Contact: Duane Brant, N9RJG, 317, 466-2292 voice mail; 317, 545-6536 fax. o1

IOWA (DES MOINES) Oct. 26. Set-up Sat. 6-9PM, Sun. 6AM; public 8AM to 2PM. Spr: Tikva Tracers ARC. Iowa State Fairgrounds. Seminars, forums, VE sess. (9:30 AM), refreshments. TI: 146.82. Adm. $5. Tables: first $10, each additional $8 (electricity $8). Randal Lees, N0LMS, 1575 Northwest 78th St., Clive, IA 50325-1255. 515, 279-4241. rclees@raccoon.com

NEW YORK (LINDENHURST) Oct. 26. Spr: Great South Bay ARC. K of C Hall. VE sess. TI: 146.685. Adm. $6. Tom Carrubba, KA2D, Box 1356, West Babylon, NY 11704. 516, 422-9594. tomcar@li.net; http://www.li.net/~tomcar/hamfest.htm

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MFJ-903 6M Antenna Tuners
MFJ-564 Keyer Paddles
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Using one blank line for each word, write your ad copy below as you want it to appear in the Trader.

Amateur Radio Trader Classified Headings

ART RADIO CLASSIFICATIONS

ALINCO
5010 ALINCO HF
5011 ALINCO VHF
5012 ALINCO UHF
5012M ALINCO DUAL BAND
5013 ALINCO HT
5014 ALINCO (Wanted)
ATLAS
5015 ATLAS HF
5015A ATLAS VHF
5015B ATLAS UHF
5015C ATLAS HT
5015D ATLAS (Wanted)
AZDEN
5016 AZDEN HF
5017 AZDEN VHF
5018 AZDEN UHF
5018M AZDEN DUAL BAND
5019 AZDEN HT
5020 AZDEN (Wanted)
CLEGG
5021 CLEGG
5021A CLEGG (Wanted)
COLLINS
5022 COLLINS HF
5023 COLLINS VHF
5024 COLLINS UHF
5025 COLLINS HT
5026 COLLINS (Wanted)
DRAKE
5028 DRAKE HF
5029 DRAKE VHF
5030 DRAKE UHF
5031 DRAKE HT
5032 DRAKE (Wanted)
GALAXY
5033 GALAXY HF
5033A GALAXY VHF
5033B GALAXY UHF
5033C GALAXY HT
5033D GALAXY (Wanted)
GENERAL ELECTRIC
5033M GE HF
5033N GE VHF
5033O GE UHF
5033P GE HT
5033Q GE (Wanted)
GRUNDIG
5033W GRUNDIG
5033X GRUNDIG (Wanted)
HALLICRAFTERS
5034 HALLICRAFTERS HF
5035 HALLICRAFTERS VHF
5036 HALLICRAFTERS UHF
5037 HALLICRAFTERS HT
5038 HALLICRAFTERS (Wanted)
HAMMARLUND
5039 HAMMARLUND
5039A HAMMARLUND (Wanted)
HEATHKIT
5040 HEATHKIT HF
5041 HEATHKIT VHF
5042 HEATHKIT UHF
5043 HEATHKIT HT
5044 HEATHKIT (Wanted)
ICOM
5046 ICOM HF
5047 ICOM VHF
5048 ICOM UHF
5048M ICOM DUAL BAND
5049 ICOM HT
5050 ICOM (Wanted)
JAPAN RADIO
5051 JAPAN RADIO HF
5051A JAPAN RADIO VHF
5051B JAPAN RADIO UHF
5051C JAPAN RADIO HT
5051D JAPAN RADIO (Wanted)
JOHNSON
5052 JOHNSON HF
5053 JOHNSON VHF
5054 JOHNSON UHF
5055 JOHNSON HT
5056 JOHNSON (Wanted)
KDK
5057 KDK
5057A KDK (Wanted)
KENWOOD
5058 KENWOOD HF
5059 KENWOOD VHF
5060 KENWOOD UHF
5060M KENWOOD DUAL BAND
5061 KENWOOD HT
5062 KENWOOD (Wanted)
MCM
5064 MCM HF
5065 MCM VHF
5066 MCM UHF
5067 MCM HT
5068 MCM (Wanted)
MFJ
5068M MFJ
5068N MFJ (Wanted)
MAGNAVOX
5068R MAGNAVOX
5068S MAGNAVOX (Wanted)
MILITARY
5069 MILITARY
5069A MILITARY (Wanted)
MOTOROLA
5070 MOTOROLA HF
5071 MOTOROLA VHF
5072 MOTOROLA UHF
5073 MOTOROLA HT
5074 MOTOROLA (Wanted)
NATIONAL
5075 NATIONAL
5075A NATIONAL (Wanted)
PATCOMM
5075M PATCOMM
5075N PATCOMM (Wanted)
RADIO SHACK
5076 RADIO SHACK HF
5077 RADIO SHACK VHF
5078 RADIO SHACK UHF
5078M RADIO SHACK DUAL BAND
5079 RADIO SHACK HT
5080 RADIO SHACK (Wanted)
RANGER
5082 RANGER HF
5083 RANGER VHF
5084 RANGER UHF
5085 RANGER HT
5086 RANGER (Wanted)
REGENCY
5086M REGENCY
5086N REGENCY (Wanted)
SONY
5087 SONY
5087A SONY (Wanted)
STANDARD
5088 STANDARD HF
5089 STANDARD VHF
5090 STANDARD UHF
5090M STANDARD DUAL BAND
5091 STANDARD HT
5092 STANDARD (Wanted)
SWAN
5093 SWAN HF
5093A SWAN VHF
5093B SWAN UHF
5093C SWAN HT
5093D SWAN (Wanted)
TEMPO
5093M TEMPO HF
5093N TEMPO VHF
5093O TEMPO UHF
5093P TEMPO HT
5093Q TEMPO (Wanted)
TEN-TEC
5094 TEN-TEC HF
5095 TEN-TEC VHF
5096 TEN-TEC UHF
5097 TEN-TEC HT
5098 TEN-TEC (Wanted)
UNIDEN
5100 UNIDEN HF
5101 UNIDEN VHF
5102 UNIDEN UHF
5103 UNIDEN HT
5104 UNIDEN (Wanted)
YAESU
5106 YAESU HF
5107 YAESU VHF
5108 YAESU UHF
5108M YAESU DUAL BAND
5109 YAESU HT
5110 YAESU (Wanted)
RADIOS (Other)
5112 RADIOS (Other) HF
5113 RADIOS (Other) VHF
5114 RADIOS (Other) UHF
5115 RADIOS (Other) HT
5116 RADIOS (Other) (Wanted)

OTHER CLASSIFICATIONS

AMPLIFIERS
5120 HF AMPLIFIERS
5121 VHF AMPLIFIERS
5122 UHF AMPLIFIERS
5123 AMPLIFIERS (Wanted)
5123M ANTENNA ACCESSORIES
5124 ANTENNA TUNERS (For Sale)
5125 ANTENNA TUNERS (Wanted)
5126 ANTENNA WIRE
ANTENNAS
5128 BASE ANTENNAS
5128M EMERGENCY PORTABLE ANTENNAS
5128T HF ANTENNAS
5129 MOBILE ANTENNAS
5130 ANTENNAS (Wanted)
5132 ANTIQUE RADIOS (For Sale)
5133 ANTIQUE RADIOS (Wanted)
5134 ATV (Fast Scan TV) (For Sale)
5134A ATV (Fast Scan TV) (Wanted)
5134M AUDIO EQUALIZERS (For Sale)
5135 BATTERIES (For Sale)
5136 BATTERIES (Wanted)
5136M BOOKS (For Sale)
5136N BOOKS (Wanted)
5136S BUSINESS BAND MISC.
5137 BUSINESS OFFERS
5138 CALL BOOKS (For Sale)
5139 CALL BOOKS (Wanted)
5141 CALL SIGN DATABASE
5141M CALL SIGN NOVELTIES
5142 CAPACITORS (For Sale)
5142A CAPACITORS (Wanted)
5143 CLOCKS (For Sale)
5144 CLOCKS (Wanted)
5146 CLUBS
5148 COAX SWITCHES (For Sale)
5149 COAX SWITCHES (Wanted)
5151 COAXIAL CABLE
5152 CODE READERS
5153 COMPUTER PROGRAMS (For Sale)
5154 COMPUTER PROGRAMS (Wanted)
5156 COMPUTERS (For Sale)
5157 COMPUTERS (Wanted)
5159 CONNECTORS (For Sale)
5160 CONNECTORS (Wanted)
5161 CONTESTS
5162 CRYSTALS (For Sale)
5163 CRYSTALS (Wanted)
5165 CW, CODE COURSES/LICENSE
5167 DSP (Filters) (For Sale)
5168 DSP (Filters) (Wanted)
5168E DSP (Uncompex)
5168G EARTHQUAKE
5168M EME EQUIPMENT (For Sale)
5168N EME EQUIPMENT (Wanted)
5169 EMPLOYMENT
5169M ESTATES (For Sale)
5169N ESTATES (Wanted)
5170 FOR SALE MISCELLANEOUS
5172 FREQUENCY COUNTERS (For Sale)
5173 FREQUENCY COUNTERS (Wanted)
5175 HAMFEST
5177 HEADSETS (For Sale)
5178 HEADSETS (Wanted)
5178M HEALTH
5179 INSURANCE
5180 KEYERS/BUGS/PADDLES (For Sale)
5181 KEYERS/BUGS/PADDLES (Wanted)
5182 KITS (For Sale)
5182A KITS (Wanted)
5182E LASERS
5182M LIGHTNING
5183 MAGAZINES (For Sale)
5184 MAGAZINES (Wanted)
5186 MANUALS (For Sale)
5187 MANUALS (Wanted)
5187M MAPS
5188 METAL FABRICATIONS
5189 MICROPHONES (For Sale)
5190 MICROPHONES (Wanted)
5191 NAME PLATES/TAGS (For Sale)
5191A NAME PLATES/TAGS (Wanted)
5192 NETS
5192M NEW PRODUCT RELEASES
5193 NEWSLETTERS
5193M ORGANIZATIONS
5194 PACKET EQUIPMENT (For Sale)
5195 PACKET EQUIPMENT (Wanted)
5197 PERSONALS
5198 PHONE PATCH (For Sale)
5198A PHONE PATCH (Wanted)
5199 POSITION WANTED
5201 POWER SUPPLIES (For Sale)
5202 POWER SUPPLIES (Wanted)
PREAMPS
5204 HF PREAMPS
5205 VHF PREAMPS
5206 UHF PREAMPS
5207 PREAMPS (Wanted)
5209 QRP EQUIPMENT (For Sale)
5210 QRP EQUIPMENT (Wanted)
5210D QRP REPAIR & ASSEMBLY
5212 QSL CARDS
5212M QSL INFORMATION
5215 RADIO COMPONENTS (For Sale)
5216 RADIO COMPONENTS (Wanted)
5218 RADIO REPAIR
5220 RADIO SCHOOLS
5222 REAL ESTATE (For Sale)
5223 REAL ESTATE (Wanted)
5224 RELAYS (For Sale)
5224A RELAYS (Wanted)
5225 RENTAL (Vacation)
5226 RENTAL (Vacation) (Wanted)
5228 REPEATERS (For Sale)
5229 REPEATERS (Wanted)
5230 ROPE
5231 ROTATORS (For Sale)
5232 ROTATORS (Wanted)
5234 RTTY/AMTOR/PACTOR (For Sale)
5235 RTTY/AMTOR/PACTOR (Wanted)
5237 SATELLITE EQUIPMENT (For Sale)
5238 SATELLITE EQUIPMENT (Wanted)
5240 SCANNERS (For Sale)
5241 SCANNERS (Wanted)
5243 SHORTWAVE RECEIVERS (For Sale)
5244 SHORTWAVE RECEIVERS (Wanted)
5245M SPEAKERS (For Sale)
5245N SPEAKERS (Wanted)
5246 SPECIAL EVENTS & CONTESTS
5248 SSTV (For Sale)
5249 SSTV (Wanted)
5251 SWAP OR TRADE
5252 SWR METERS (For Sale)
5252A SWR METERS (Wanted)
5253 TEST EQUIPMENT (For Sale)
5254 TEST EQUIPMENT (Wanted)
5256 TOWERS (For Sale)
5257 TOWERS (Wanted)
5259 TNC'S (Terminal Node Controllers) (For Sale)
5260 TNC'S (Wanted)
5261 TRANSCEIVERS (For Sale)
5261A TRANSCEIVERS (Wanted)
5261M TRANSLATIONS
5261S TRANSMITTERS (For Sale)
5261T TRANSMITTERS (Wanted)
5262 TRANSVERTERS/CONVERTERS (For Sale)
5263 TRANSVERTERS/CONVERTERS (Wanted)
5265 TUBES (For Sale)
5266 TUBES (Wanted)
5267 VE EXAMS
5268 WANTED MISCELLANEOUS
5270 WATT METERS (For Sale)
5270A WATT METERS (Wanted)
5272 WEFAX

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30

03

Free offer good for classified advertising only. Limit one free ad per customer per year. Personal or individual non-commercial ads only. For a complete rate schedule or display ad information, call toll-free 1-800-774-2623, or fax 1-800-423-9030. Internationally, call 615-484-5137, or fax 615-484-2532. Write to Amateur Radio Trader, PO Box 3729, Crossville, TN 38557.

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- ☐ Selected ad category and indicated heading number?
- ☐ Written your ad copy (one word per line)?
- ☐ Detached, folded and inserted the form?
- ☐ Sealed envelope and returned ad to ART?

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How To Enter

Find Art's locations using the clues from six consecutive issues of *Amateur Radio Trader*. Write in each location on the corresponding line of the entry form. Send in your entry form with all six correct locations. Please print clearly or type your information. **Only entries with all six locations will be valid. *One entry per person.***

Clue for Location #5

Art has arrived at the "gateway to Africa" in the land of Pharaohs. This capital city of Egypt is the "center of all routes leading to and from the capitals of three continents: Asia, Africa and Europe." The location features immortal monuments and relics, including the ancient pyramids.

Entry Form - Please Print

Fill in locations from clues in six consecutive issues of Amateur Radio Trader. Mail in completed form by November 29, 1997.

Location #1 _____

Location #2 _____

Location #3 _____

Location #4 _____

Location #5 _____

Location #6 _____

name _____ *call sign* _____

street address _____

city _____ *state* _____ *zip* _____

daytime phone _____

Mail completed form to:
Art's DXpedition
Amateur Radio Trader
P.O. Box 3729
Crossville, TN 38557

See page 57 for complete contest rules and details.

Limit one entry per person.

Presented by

MFJ Amateur Radio Trader The Ham Radio MarketPlace

Participating Sponsors

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KENTUCKY (LOUISVILLE) Oct. 11-12, Sat. 10AM-5PM, Sun. 10AM-3PM. Louisville Computer Fair, presented by Trade Show Productions, Inc., will be held at the Kentucky Fair & Expo Center, Exit 11 off I-264. Adm. $5 (both days). Professional booths $225.00 each. Flea market space $40 each. Make checks payable to Trade Show Productions, Inc. and return to: Mark Hanslip, 143 Schloss Ln., Dayton, OH 45418. For information call: 937, 263-3378. o1

LOUISIANA (WEST MONROE) Nov. 8, 8AM to 3:30 PM. Monroe Area Hamfest, sponsored by Twin City Ham Club, will be held at West Monroe Convention Center, corner North 7th and Ridge Ave. TI: 146.85-. Doors open at 8AM, ARRL/VE testing 9AM. For more info, write TCHC Hamfest Director, PO Box 1871, West Monroe, LA 71294. E-Mail: tchc@iamerica.net

MARYLAND (WESTMINSTER) Oct. 26. Set-up 6AM; public 8AM to 4PM. Sprs: Carroll County and Penn-Mar ARCs. Carroll County Agricultural Ctr., from US 697 (Baltimore Beltway) take I-795 to Rt. 140 at Reisterstown to Westminster, Center St. to Gist to Smith to Agri Ctr. Mason-Dixon Computer and Hamfest, tailgating (12-ft. space $5), vendors ($5), VE sess. (9AM, Bill Wolfgang, NZ3J, Kensington Dr., Littlestown, PA 17340; 717, 359-7090). TI: 145.41. Adm. $5. George Johns, N3JKY, Box 763, Hanover, PA 17331, 717, 633-6641. gjohns@sunlink.com; http://www.qis.net/~k3pzn

MASSACHUSETTS (CHELMSFORD) Oct. 12. The New England DXCC Convention, sponsored by the Patriot DX Assn., will be held at the Elks Hall, Rt. 110; from junction I-495 take Rt. 3 N., 1 exit to Rt. 110 S., approx. 2 mi. to hall. Doors are open 8AM to 5PM. Features include CY9AA by K7BV, two new shows by K1XM, J3 holiday for CQWW, 9M0 Spratley, VK0IR by N6EK, DXCC card checking, YCCC contesters forum, DXAC report. TI: 147.12. Adm. $22.50 in adv., $25 at the door. Send SASE and check made payable to Patriot DX Assn. to Mel Cole, WZ1O, Box 8, Prides Crossing, MA 01965. 508, 927-1953. mel@shore.net

MICHIGAN (KALAMAZOO) Oct. 19, sellers set-up 6AM, doors open 8AM. 15th annual Kalamazoo Hamfest, sponsored by Kalamazoo Amateur Radio Club and S.W. Michigan Amateur Radio Team, will be held at Kalamazoo County Fairgrounds. TI: 147.040, K8TIW, repeater. Over 20,000 sq. ft. of selling area, plenty of free parking, food service and door prizes, 54 campsites w/electric and water. Trunk sales: $5/space. Tables: $1.50/ft. (4 ft. minimum). Electrical hook-up $5. Tickets: $3 in adv., $4 at the door. To order send SASE to: Al McNeil, K8CRH, 816 East Michigan Ave., Ste. 102, Paw Paw, MI 49079-1215. Make checks payable to Kalamazoo Hamfest. For information call: 616, 657-4482; fax 616, 657-7576. E-Mail: amcneil@net-link.net

MICHIGAN (MASON) Oct. 12, 8AM to 1PM. LCDRA & CMARC Hamfair will be held at the heated Community Center in the NW corner of the Ingham County Fairgrounds in Mason, MI. Take US 127 to Cedar St./M36 Exit. Take M36 to the East side of Mason to the Fairgrounds. Adm. $4 per person. Tables $10, trunk sales $5. Lots of parking, refreshments, overnight camping available. Vendor set-up 6AM. TI: 145.390. Contact Chuck McNease, N8CM, or Linda McNease, KC8DPZ, at 517, 694-2757 or LCDRA, PO Box 80106, Lansing, MI 48908. o1

MINNESOTA (ST. PAUL) Oct. 25. Set-up Fri. eve; public Sat. 8AM to 4PM. Spr: Twin Cities FM Club. St. Paul Civic Ctr. Kellogg and 7th St. Flea market, educational seminars, major manufacturers, regional and area retailers. TI: 146.76. Adm. adv. $5.50, door $7. Hamfest Minnesota and Computer Expo, Box 5598, Hopkins, MN 55343. 612, 535-0637. http://www.hamfestmn.org

MISSISSIPPI (OCEAN SPRINGS) Nov. 21 & 22. The West Jackson County Amateur Radio Club will hold its annual Hamfest/ Swapfest. It will be held at the Latimer Community Center North of Ocean Springs. The Hamfest will be open to the general public from 4:30 PM to 9PM on the 21st and from 8AM to 3PM on the 22nd. Adm. $2 per adult or $4 for an entire family. The Latimer Community Center is located approximately four miles North of I-10 Exit 50. Ample parking is available at the Community Center. RVs may park overnight if they are completely self-contained. Eight foot long sales/ swap tables are availabe for a $5 rental fee. Advance deposits are required for sales table reservations. TI: 145.110MHz (-600). The frequency will be manned from 12 Noon on the 21st until the Hamfest ends on the 22nd. Contacts: Harry McLemore, KD4AK, 601, 872-0732 or Stan Hecker, N5SP, 601, 875-0222. n1

OHIO (ASHLAND) Oct. 12, 8AM to 2PM. North Central Ohio Hamfest will be held at Ashland County Fairgrounds. TI: 147.105/71.9Hz, 146.550 simplex. Tickets: $3/$4 at door. Tables: $8 advance only. Dave, 419, 289-1082; Mary 419, 368-4294. o1

NEW JERSEY (LINCROFT) Oct. 12. Shore Area Hamfest and Computer Swapfest this year hosting the ARRL New Jersey State Convention. Open to buyers at 8AM. Vendor set-up at 6AM. Brookdale Community College, Garden State Parkway Exit 109, West on Rt. 520 to the college in Lincroft, NJ. Spacious conditioned indoor selling space and unlimited outdoor space. Plenty of free parking, handicap accessible, cafeteria serving complete breakfast starting at 7:30 AM. ARRL VE testing begins at 10AM. Only one CW test session and it starts at 10:30. Adm. adv. $5, gate $6. Accompanying unlicensed spouses and kids under 12 free. Tables: new low price for 8' indoor table, reservations recommended. Outdoor $10 for a 9' x 20' space. Each table or space admits one person. TI: 145.485/-6. For more information, contact: Shore Area Hamfest, PO Box 635, Eatontown, NJ 07724. Al Jackson, NK2O, 908, 922-8121 or Jack Petro, KB2GJU, 908, 681-5994. o1

NEW YORK (BETHPAGE) Oct. 12, 8:30 AM to 2PM. Long Island Hamfair, sponsored by Long Island Mobile Amateur Radio Club, will be held at Briarcliffe College, 1055 Stewart Ave., Bethpage, NY 11714. Amateur radio equipment, computers, Ham equipment dealers, ARRL information, VHF tune-up clinic. VE test session at 10AM sharp for all classes of amateur licenses. General adm. $6, children and sweethearts free. TI: on W2VL, 146.85 repeater (136.5 PL). Vendors: all spaces $15, each space admits one person. For more information, call the LIMARC 24 hour infoline: 516, 520-9311. LIMARC, PO Box 392, Levittown, NY 11756. o1

NEW YORK (POUGHKEEPSIE) Nov. 2. Sellers 6AM, buyers 8AM. Spr: Mt. Beacon ARC. John Jay HS, Exit 15 off Rt. 84, turn right onto Lime Kiln Rd., left onto Rt. 52, pass Hudson Valley Research Park on left, 1st left after railroad tracks. VE sess., free parking, refreshments. TI: 146.97. Adm. $5. Ken Akasofu, KL7JCQ, 316 Titusville Rd., Apt. 4, Poughkeepsie, NY 12603-2944. 914, 485-9617. o2

OHIO (CINCINNATI) Nov. 1-2. Sat., 10AM-5PM, Sun., 10AM-3PM. Cincinnati Computer Fair, presented by Trade Show Productions, Inc., will be held at Cincinnati Gardens, 2250 Seymour Rd. Adm. $5 (both days). Professional booths $225 each. Flea market space $40 each. Make checks payable to Trade Show Productions, Inc. and return to: Mark Hanslip, 143 Schloss Ln., Dayton, OH 45418. For information, call: 937, 263-3378. o2

OHIO (CINCINNATI) Sept. 21, 8AM-5PM. GCARA Communications Expo 97, sponsored by Greater Cincinnati Amateur Radio Association, will be held at Kolping Center, 10235 Mill Rd., Cincinnati, OH. Commercial vendors, large flea market, food and refreshments, new & used dealers, computers & software, forums, national manufacturers, ladies programs. Tickets: adv. $6, gate $8, age 12 and under free. Indoor area (includes two tables & one adm.) $50 each. Covered area (includes one table & one adm.) $25 each. Outdoor flea market space (includes one adm.) $16 each. VE FCC license exams Sat. only at 9AM. Photo ID required, walk-ins are welcome. Information contact: Gene Reilly, NU8U, 513, 574-1653, TI: 146.88-. Information: contact Paul Riedel, WB8NFT, 6850 Edmar Ct., Cincinnati, OH 45239. Bus. 513, 733-3900, fax 513, 733-0770, home 513, 681-6263. E-Mail: PNR280@msn.com

OHIO (MARION) Oct. 26. Set-up Sat. 2-6PM, Sun. 6AM; public 8AM to 3PM. Spr: Marion ARC. Marion County Fairgrounds Veterans Memorial Coliseum. HamFiesta and Computer Show, vendors, free space available for trailers and campers (no hook-ups), ample free parking, refreshments. TI: 147.3. Adm. adv. $4, door $5, under 13 free. Tables: $10. Karen Eckard, N8KE, 6583 S. St. Meeker, Marion, OH 43302. 614, 499-3565. o2

OKLAHOMA (ENID) Nov. 1, 8AM to 5PM. Enid Hamfest, sponsored by Enid Hamfest Group, will be held at the Garfield County Fairgrounds (Hoover Bldg.), Oxford & 4th St. Adm. $2. Tables $1. TI: 147.15+ 444.40+. Special features: free coffee and doughnuts in the morning and free hot dogs and cola at noon. VE testing at 1PM. Free covered dish banquet, 7PM. Contact persons: Tom Worth, N5LWT, 405, 233-8473; Fred Selfridge, N5QJX, 405, 242-3551. o2

OKLAHOMA (KINGSTON) Oct. 24-26. Spr: Texoma Hamarama Assn. Lake Texoma State Lodge, from Durant take Hwy. 70 W. for 15 mi.; from Ardmore take Hwy. 70 E. for 45 mi. Forums (ARRL, AMSAT, antennas, NTS), VE sess. TI: 147.39. Adm. adv. $9, door $10. Charles Bilbay, KI5CG, Rt. 2, Box 301, Bokchito, OK 74726. 405, 924-0687. cbilbay@redriverok.com; http://www.pine-net.com/callahan

WISCONSIN (MILWAUKEE) Nov. 1. Burt Steingraeber, N9VBI, 414, 328-0535. o2

OREGON (RICKREALL) Oct. 25. Mid-Valley ARES will hold its 3rd annual Swap-Toberfest, ARES/RACES Convention. The convention will be held at the Polk County Fairgrounds in Rickreall, OR. Doors will open for the convention from 9AM to 3:30 PM the day of the event. Swap table set-up will be from 6 to 9PM Fri. night and on Sat. morning at 7AM. TI: 146.86 repeater. Features include: swap tables, commercial dealers, meetings and seminars. Adm. adv. $6, at the door $7, age 12 and under free. Non-power swap tables $13 each. Power swap tables $15 each. Commercial vendor space $25 (for 2 tables). For more information, contact Garry Zinn, KC7BSX, 503, 838-2008. o1

PENNSYLVANIA (NEWTOWN) Oct. 19. Set-up 7AM; public 8AM. Spr: Penn Wireless Assn. Bucks County Community College, Swamp Rd. Dealers, VE sess., free parking. TI: 145.25. Adm. $5, under 12 free w/adult. Spaces: outdoor $10, indoor $15 (tables available on request; reserve early). Steve Ewall, WB3IRC, Box L-734, Langhorne, PA 19047. 215, 752-1202. sewall@erols.com

PENNSYLVANIA (SELLERSVILLE) Oct. 26. Set-up 5AM; public 7AM to 2PM. Spr: RF Hill ARC. Sellersville Firehouse, Rt. 152, 5 mi. S. of Quakertown, 8 mi. N. of Montgomeryville. VE sess. (10AM to 1PM, all classes, bring documents). TI: 145.31. Adm. $5. Spaces: indoor $12 (table included), outdoor $6 (bring table). Linda Erdman, KA3TJZ, 2220 Hill Rd., Perkiomenville, PA 18074. 215, 679-5764. o2

PENNSYLVANIA (SENECA) Oct. 18, 8AM. Spr: Fort Venango Mike and Key Club. Christian Life Academy Bldg., off Rt. 257. Ham Radio Auction and flea market, vendors, VE sess. (walk-ins accepted), plenty of parking. TI: 145.23, 145.19, 147.12 (110.9Hz). Adm. $3, under 12 free. Tables: $5 (no extra charge for electricity; Bruno Wolozyn, K3MHB, 814, 677-8694). Mary Housholder, N3QCR, 814, 437-2036. n3qcr@csonline.net

SOUTH CAROLINA (MYRTLE BEACH) Nov. 8. Beachfest '97, sponsored by the Grand Strand Amateur Radio Club, will be held at the Myrtle Beach High School, 38th Ave. North in downtown Myrtle Beach. Hundreds of fantastic restaurants to choose from for the finest fresh ocean cuisine you'll ever experience. Shopping at Outlet Park prices. Golf at off-season discount prices. Take the YL to see a show at the Ronnie Milsap (WB4KCG) Country Theater, one of our many show theaters. Adm. $5 in adv., $6 at the door. Dealer area tables are $12 until Sept. 15, then $15. Electricity (for indoor sites) will be $10. Tailgating will be $10 for each parking spot. TI: 147.120. For more information, call Robert Battle, 803, 236-2887. o2

SOUTH CAROLINA (SUMTER) Oct. 25. Sumter ARA 11th annual Hamfest, Computer Fair and ARRL State Convention, Sumter County Exhibition Center, 700 W. Liberty St., Sumter, SC. Doors open from 8AM until 4PM. TI: 147.015. For more information, contact Steve Bregger, KD4HTS, PO Box 52302, Shaw AFB, SC 29152-0302, phone 803, 983-4251 or Dee Brown, NOZTV, PO Box 52141, Shaw AFB, SC 29152-0141, E-Mail: deebrown@sumter.net, phone 803, 499-6315. o1

TENNESSEE (EAST RIDGE) Oct. 25-26. Set-up Fri. 1-10PM, Sat. 6:30-9AM, Sun. 8-9AM; public Sat. 9AM to 5PM, Sun. 9AM to 3PM. Spr: Chattanooga ARC. Camp Jordan Arena, I-75 N/S, East Ridge Exit, turn left, turn left again onto Camp Jordan Blvd. Dealers (Barbara Gregory, WA4RMC, 8619 Smokerise Ln., Chattanooga, TN 37421; 423, 629-7911 or 423, 892-8889), inside flea market ($15 for 1 day, $20 for the weekend; electricity $25), tailgating ($5 per space, first-come, first-served), forums, VE sess., on site camping with hook-ups, free parking, refreshments. TI: 146.79, 444.1. Adm. $5 (good both days). Louise Carter, KE4DGW, 107 S. Bragg Ave., Lookout Mountain, TN 37350. 423, 821-4043. LCarter264@aol.com

TENNESSEE (GRAY) Oct. 18. Sprs: Johnson City, Bristol, and Kingsport ARCs. Appalachian Fairgrounds, Exit 57 off I-81, Exit 42 off I-181. VE sess. TI: 146.97, 146.79. Adm. $5. Wendell Messimer, K4ZHK, 175 E. Highland Rd., Johnson City, TN 37601. 423, 928-4407. o1

TEXAS (EL PASO) Oct. 18-19. Sat. 8AM to 5PM, Sun. 8AM to 1PM. Spr: International Hamfiesta Committee. Texas National Guard Armory Bldg., corner of Hwy. 54 and Hando Pass. Seminars, tours, forums (ARRL, Packet, emergency communications), VE sess. (both days), QCWA breakfast, RV parking (no hook-ups). TI: 146.88. Adm. adv. $5, door $6. Tables: adv. $10, door $12. Clay Emert, K5TRW, Box 23010, El Paso, TX 79923. 915, 859-5502. cemert@dzn.com

TEXAS (HUMBLE) (HOUSTON) Oct. 17-19. The West Gulf Division Convention, sponsored by the Gulf Coast Ham Convention Committee, will be held at the Humble Civic Ctr., 8233 Will Clayton Pky., 1 mi. E. of US 59 (EasTex Freeway). Doors are open Fri. 6-9PM, Sat. 9AM to 5PM, Sun. 9AM to Noon. Features include flea market, equipment auction, commercial vendors, seminars, VE sess., banquet (Sat. Noon), foxhunts. TI: 147.36. Adm. $8 in adv., $9 at the door. Contact Darrell Glueck, KK5LG, 1523 Earl of Dunmore St., Katy, TX 77449-3024. 281, 347-0651; fax 281, 495-3495. http://www.clarc.org/~gchc/#info

TEXAS (ODESSA) Nov. 1st & 2nd. West Texas Amateur Radio Club's 14th annual Odessa Hamfest will be held at Ector County Coliseum, Exhibit Bldg. C. 42nd & Andrews Hwy. Sat. 8AM to 5PM. Sun. 9AM to 2PM. Set-up Fri. 4-10PM & Sat. 7AM. Over 21,000 sq. ft. of space. TI: 145.470. Adm. $7 adv., $8 at the door. Tables: 8 ft. $8. For more information, contact: Robert Jordan, N5RKN, 915, 335-7980. E-Mail: n5rkn@apex2000.net

WASHINGTON (BELLINGHAM) Oct. 25. 9AM to 2PM. Spr: Mt. Baker ARC. Ferndale Band-Boosters Bingo Hall, I-5. VE sess. TI: 146.74. Adm. $3. Tables: adv. $15, door $20. Al Norton, K7IEY, 1008 Liberty St., Lynden, WA 98264. 360, 354-4622. o1

WISCONSIN (KAUKAUNA) Nov. 2. Fox Cities Amateur Radio Club Hamfest will be held at the Starlite Club corners of Hwy. 55 and County Rd. JJ. TI: 146.52 simplex. Amateur radio exam info: registration starts at 8AM on Sun., Nov. 2, registration ends at 9AM and testing starts. No walk-ins after 9AM. For more exam info contact: Larry Siebers, KD9IA, 414, 757-1167. You must buy adm. ticket if you pre-register. Adv. adm. tickets $4 ea. 8 ft. long tables $8 ea. Send check of MO (no cash please) payable to: FCARC, 1912 Russet Ct., Appleton, WI 54914, Attn: Chad Pennings, N9PRC, Hamfest Chairman. Phone 414, 993-0485. o2

5180 • KEYERS/BUGS/PADDLES (For Sale)

SMALL COLLECTION, very early Vibroplex keyers and paddles, some military, some strange, also some early mics. Call Alan, 520, 575-1960 or 970, 577-0677. o2

BROWN BROS. "BTL" dual finger paddle (red finger) position, black base. "Offers". Vibroplex chrome base, red plastic for finger position, excellent, "Broadway" ID tag SN#242622. $165.00. Truly collectible. Tony Musero, 215, 271-8898. o1

AEA MM-3 KEYER. $100.00, shipped. Mike, 210, 679-6879 or E-Mail: AB5MH@JUNO.COM

SIGNAL CORPS VIBROPLEX J-36 serial #2, excellent condition, telegraph set TG-5-B w/carrying case ser. #6324. Best offer each or both. AB5J, 405, 248-6748. E-Mail: ab5j@aol.com

5181 • KEYERS/BUGS/PADDLES (Wanted)

TELEGRAPH KEYS: PREMIUM paid for Vibroplex, McElroy, Melehan, and other bugs and rare, unusual or unique straight keys or related items. Entire estates purchased. Vince, K5VT, 800, 840-KEYS(5397) or fax 602, 952-1760. tf

NEED FIRST KEYER and paddles. Memory preferred, w/documentation. QSL via callbook or call 805, 944-6251, 2PM to 5PM PDST daily. Also, info on 6M horizontal ants. Mark, KD6CAD. n1

WANTED: WESTERN ELECTRIC tubes, telegraph keys, sounders, amplifiers, speakers and old books. I can arrange direct home pick-up anywhere in the USA. Call Larry Drago, 203, 272-6030; fax: 203, 272-2002. E-Mail: theradioman@webtv.net

5182 • KITS (For Sale)

200+ ELECTRONIC PLANS & kits. Build for pleasure or resale. Make 100% profits reselling printed plans. Loose 55¢ stamp for catalog & dealer info. Matco-B5, POB 509, Roseville, MI 48066-0509. f1

5186 • MANUALS (For Sale)

MANUALS AVAILABLE! For all Swan, Cubic Communications, Siltronix, Atlas Gear. Call or write: Brock Publications, PO Box 5004, Oceanside, CA 92052. 760, 757-0372. tf

W7FG VINTAGE MANUALS - Most manuals in stock. SASE for catalog or call. Visa/ Mastercard accepted. 3300 Wayside Drive, Bartlesville, OK 74006. 800, 807-6146. http://www.w7fg.com

HEATH COMPANY IS SELLING photocopies of most Heathkit manuals. Only authorized source for copyright manuals. Phone: 616, 925-5899, 8-4 ET. o1

ORIGINAL AND REPLICATED manuals for amateur, audio, and radio-related equipment. Quality, readability, completeness are always number one customer priorities. Catalog available. Send three $.32 stamps to Pete Markavage, The Manual Man, 27 Walling St., Sayreville, NJ 08872-1818. 908, 238-8964. o2

HEATHKIT MANUALS, AR-29, EF-2, ET-3400, HD-1234, HR-1680, GT-1217, SW-717. $4.00 ea. +$4.00 S&H. 423, 687-2763. E-Mail: glenn4ckf@aol.com

5187 • MANUALS (Wanted)

MANUALS OR COPIES for Sencore TF-166 transistor FET tester, Elenco CM-1500B handheld tester, Heathkit transistor tester model IM-36, Heathkit model SM-105A solid state counter. K9SXU, 9 Lloyd St., Cary, IL 60013. 847, 639-4675. o1

I NEED OPERATING MANUAL for Kenwood FM HT transceiver model TR-2600A and good SWR/wattmeter for FM and VHF. Call 205, 921-2395, Ottis Howell, 323 Howell Rd., Hamilton, AL 35570. o1

WANT: MANUAL OR COPY for Heathkit HD-1 distortion meter. Will pay any and all costs for manual or copy. John, WB6GHA, 4857 Racetrack Circle, Rocklin, CA 95677. 916, 624-5800 or E-Mail: occupant@ns.net

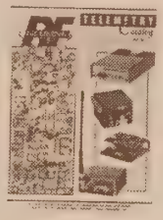
WANT: MANUAL OR COPY for Motorola (made by Measurements Corp.) RF Signal Generator model S-1320. Will pay any and all costs for a manual or copy. John, WB6GHA, 4857 Racetrack Circle, Rocklin, CA 95677. 916, 624-5800 or E-Mail: occupant@ns.net

NEED MANUAL OR PHOTOCOPY of manual for Kenwood TS-520 transceiver. WB4BYH, Keith, 423, 694-0680. dkhenson@juno.com

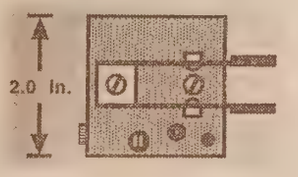
5187M • MAPS

DX HEADING MAPS AND lists. Honolulu to San Juan. Color $6.95, B/W $3.95. Bearing lists $6.95. W2HOJ, 800, 941-2252. o1

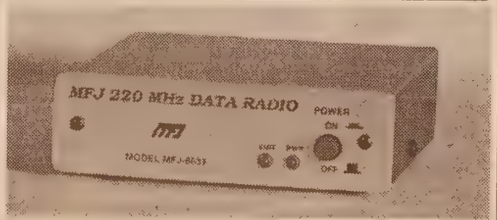
5192M • NEW PRODUCT RELEASES



RF NEULINK ANNOUNCES new free 28 page wireless Telemetry catalog. It features crystal controlled & synthesized wireless transceivers, paging transmitters/ exciters, transmitters and receivers. For your free copy, please contact RF Industries, Neulink Division, 7610 Miramar Rd., San Diego, CA 92126. 800, 233-1728; 619, 549-6340. o1

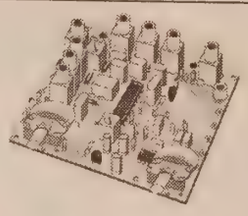


POCKET MINI-PADDLE KEYER model MK-64 is the world's smallest iambic keyer and is now available from Whiterook Products. Its ultra portable and lightweight design is ideal for QRP and portable operation. The MK-64 uses the outstanding Tick Keyer chip. Contact: Whiterook Products Company, 309 S. Brookshire, Ventura, CA 93003-4413. 805, 339-0702. http://www.west.net/~wpc

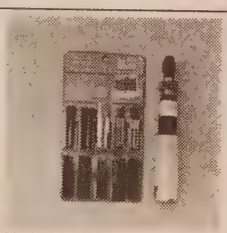


MFJ PROUDLY ANNOUNCES the MFJ-8631 220MHz Data Radio for only $139.95! It is ready-to-use as a dedicated data transceiver for the 220MHz band on factory installed 223.700MHz. For your nearest dealer or to order, call toll-free 800, 647-1800 or write to MFJ Enterprises, Inc., 300 Industrial Park Rd., Starkville, MS 39759. o1

WAVETEK'S NEW LOW-COST Tester Brochure, easy-to-read, informative brochure on multitesters now available. This is a four-color glossy brochure of the company's line of multimeters and multitesters, the AM8, DM7 & DM9. The new brochure is available directly from Wavetek by calling 1-800, 854-2708. o1



HAMTRONICS, INC. HAS announced new low-cost monitor receiver kits for the 28,50,73,144 152 and 220MHz bands. The R100 receiver was designed to replace both the R144/R220 and R76 series receivers. For more details, write to Hamtronics, Inc., 65-T Moul Rd., Hilton, NY 14468-9535 or call 716, 392-9430. o1



MOODY® NOW OFFERS a comprehensive selection of precision miniature tools recommended for use with the optional Utica® torque screwdriver (also shown), or any other 1/4" drive hand/ cordless driver application. For more information, contact: Jensen Tools, 800, 426-1194; fax 800, 366-9662. o1

AUTOMATIC TRACKING WHILE transmitting or receiving voice within seconds is easily accommodated with the new Kenwood's TM-V7A when used with your PC, GPS, and Packet TNC. For more details, contact: Kenwood, 310, 639-5300. o1

MODEL 390 TELEPHONE test set designed by Progressive Electronics, Inc. for premise wiring installation and repair technicians. For more details, contact: Jensen Tools, 7815 S. 46th St., Phoenix, AZ 85044. 800, 426-1194. o1

WHY IS AMATEUR RADIO Trader's classified section so big? Because it works! Call us today to turn your unneeded assets into $$$. 800, 774-2623.

MOUSER ELECTRONICS, one of the 50 largest electronic component distributors in the USA, has an outstanding web site that was recently updated with some nice features. You can find the Mouser Electronics site at: http//:www.mouser.com

PAR ELECTRONICS is pleased to announce the release of two new horizontally polarized, omnidirectional antennas for 6 and 2M. For more information, contact PAR Electronics, 6869 Bayshore Dr., Lantana, FL 33462. 561, 586-8278; fax 561, 582-1234. o1

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Area Code	State Or Other Location
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202	Washington, D.C.
203	Connecticut
204	Manitoba
205	Alabama
206	Washington
207	Maine
208	Idaho
209	California
210	Texas
212	New York
213	California
214	Texas
215	Pennsylvania
216	Ohio
217	Illinois
218	Minnesota
219	Indiana
242	Bahamas
246	Barbados
248	Michigan
250	British Columbia
281	Texas
301	Maryland
302	Delaware
303	Denver
304	West Virginia
305	Florida
306	Saskatchewan
307	Wyoming
308	Nebraska
309	Illinois
310	California
312	Illinois
313	Michigan
314	Missouri
315	New York
316	Kansas
317	Indiana
318	Louisiana
319	Iowa
320	Minnesota
330	Ohio
334	Alabama
352	Florida
360	Washington
401	Rhode Island
402	Nebraska
403	Alberta
404	Georgia
405	Oklahoma
406	Montana
407	Florida
408	California
409	Texas
410	Maryland
412	Pennsylvania
413	Massachusetts
414	Wisconsin
415	California
416	Canada, Ontario
417	Missouri
418	Quebec
419	Ohio
423	Tennessee
425	Washington
441	Bermuda
501	Arkansas
502	Kentucky
503	Oregon
504	Louisiana
505	New Mexico
506	New Brunswick
507	Minnesota
508	Massachusetts
509	Washington
510	California
512	Texas
513	Ohio
514	Quebec
515	Iowa
516	New York
517	Michigan
518	New York
519	Canada, Ontario
520	Arizona
540	Virginia
541	Oregon
561	Florida
562	California
573	Missouri
601	Mississippi
602	Arizona
603	New Hampshire
604	Brit. Columbia
605	South Dakota
606	Kentucky
607	New York
608	Wisconsin
609	New Jersey
610	Pennsylvania
612	Minnesota
613	Ontario
614	Ohio
615	Tennessee
616	Michigan
617	Massachusetts
618	Illinois
619	California
630	Illinois
650	California
701	North Dakota
702	Nevada
703	Virginia
704	North Carolina
705	Canada
706	North Georgia
707	California
708	Illinois
709	Newfoundland
712	Iowa
713	Texas
714	California
715	Wisconsin
716	New York
717	Pennsylvania
718	New York
719	Colorado
732	New Jersey
757	Virginia
760	California
765	Indiana
770	Georgia
773	Illinois
787	Pureto Rico
801	Utah
802	Vermont
803	South Carolina
804	Virginia
805	California
806	Texas
807	Ontario
808	Hawaii
809	Bermuda, Puerto Rico, Virgin Islands & other Caribbean Isls.
810	Michigan
812	Indiana
813	Florida
814	Pennsylvania
815	Illinois
816	Missouri
817	Texas
818	California
819	Quebec
847	Illinois
860	Connecticut
864	South Carolina
870	Arkansas
901	Tennessee
902	Nova Scotia & Prince Edward Island
903	Texas
904	Florida
905	Canada, Ontario
906	Michigan
907	Alaska
908	New Jersey
909	California
910	North Carolina
912	Georgia
913	Kansas
914	New York
915	Texas
916	California
917	New York
918	Oklahoma
919	North Carolina
920	Wisconsin
931	Tennessee
937	Ohio
941	Florida
954	Florida
970	Colorado
972	Texas

SSC IS PROUD TO announce the release of PC HF Facsimile 8.0 for Windows. PC HF Facsimile 8.0 allows users of Windows PC's to receive wefax charts, weather satellite photographs, radio teletype, NAVTEX, FEC, SITOR, ASCII and Morse Code digital news and weather broadcasts. For more info contact: Software Systems Consulting, 714, 498-5784. o1

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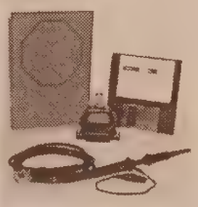
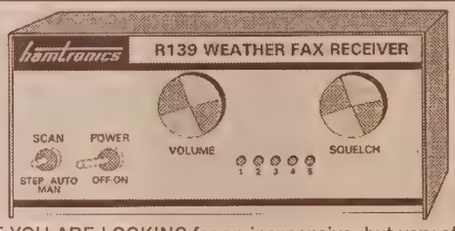
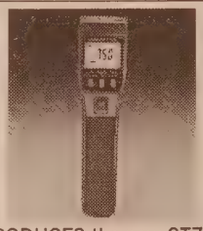
HIGH QUALITY CUSTOM QSL Cardbox filing systems, mylar laminated index cards DXCC, states and more, laminated contest keyboard overlays. Catalog. Hamstuff by W7NN. 1-360, 352-2461. W7NN@aol.com



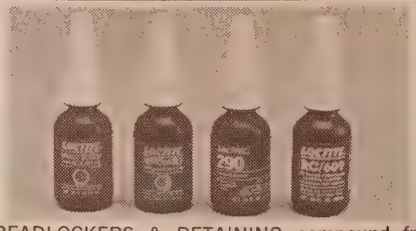
uSCOPE IS ONE OF A series of 8 multifunctional computer controlled measuring instruments designed by TiePie Engineering (The Netherlands), and available from TP Engineering (USA). For more information, contact: Tod Torrence, TP Engineering, 239 Park Avenue, Berkeley Heights, NJ 07922. 908, 464-5486. o1



IF YOU ARE LOOKING for an inexpensive, but very effective, wideband FM receiver module for 137MHz weather fax reception, the new R139 receiver from Hamtronics may be just the answer! For more details, write to Hamtronics, Inc., 65-T Moul Rd., Hilton, NY 14468-9535 or call 716, 392-9430. o2



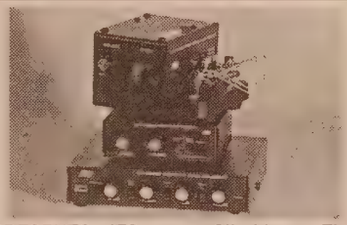
WAVETEK INTRODUCES the new ST75, just one in a series of meters with Wavetek's innovative handheld meter design. For more information, contact: Wavetek, 9045 Balboa Ave., San Diego, CA 92123. 619, 279-2200. o2



THREADLOCKERS & RETAINING compound from Jensen Tools. These items can be found in their latest catalog. For a copy, contact Jensen Tools, 7815 S. 46th St., Phoenix, AZ 85044. 602, 968-6231 or 800, 426-1194. o2

KENWOOD COMMUNICATIONS is now registered to utilize the ISO 9001 logo. Receiving the ISO 9001 registration provides verification from an independent international standards organization that Kenwood products meet all specifications precisely as we publish them. For more information, call Kenwood, 310, 639-5300. o2

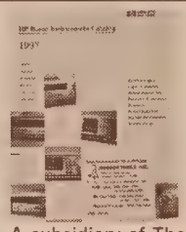
RF INDUSTRIES announced today the formation of its newest division, the RF Cable Assembly Division. This division will concentrate on cable assemblies with emphasis on coaxial cable. For more information, contact: RF Industries, 800, 233-1728. o2



MFJ PRESENTS ITS new SlimLine™ Electronic Keyers: MFJ-441, MFJ-442, and MFJ-447. For your nearest dealer or to order, call toll-free 800, 647-1800, fax 601, 323-6551 or write to MFJ Enterprises, Inc., 300 Industrial Park Rd., Starkville, MS 39759. o2

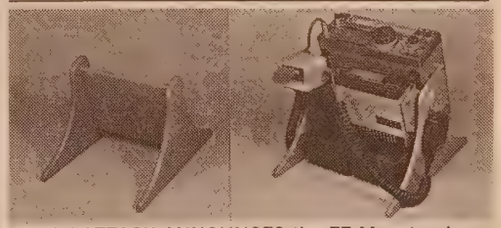
THE "RADIO AMATEUR Callbook" announces the addition of "Amateur Radio Prefix Maps" to their 1998 CD-ROM that will be available November, 1997. For more information, contact: Radio Amateur Callbook, PO Box 2013, Lakewood, NJ 08701. 908, 905-2961. o2

MFJ ENTERPRISES, INC. is pleased to announce its 25 year anniversary in October of 1997. MFJ Enterprises, Inc. thanks its customers for their business and loyalty for the past twenty-five years. "Without our customers, this dream would not have been possible," said Martin F. Jue, K5FLU, President and founder of MFJ. o2



JENSEN TOOLS, A subsidiary of The Stanley Works, has recently been designated as a preferred distributor of a special selection of Hewlett-Packard electronic test equipment, the H-P line. Further information, or a free catalog, can be obtained by contacting: Jensen Tools, 7815 46th St., Phoenix, AZ 85044. 800, 426-1194. o2

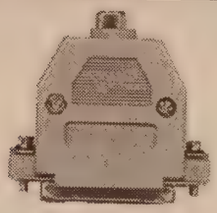
OLD WEST GRAPHICS, Loveland, CO, is happy to announce their new web site location on the Worldwide Web. The address is at: http://www.successmarketplace.com/shops/oldwest. For more information access our web site, or write for the new 1997-1998 catalog at: Old West Graphics, 490 N. Saint Louis Ave., Loveland, CO 80537-5878. 1-800, 484-9492 ext. 8601. o2



SHACK ATTACK ANNOUNCES the EZ-Mount universal mobile mounting system! No drilling or attachments made to the vehicle. Allows you to safely store expensive equipment in home or trunk. Only $24.95 +$5 S&H. Call toll-free 800, 573-7388 or write to Shack Attack, PO Box 91, Enterprise, UT 84725. o2

ANTIQUE ELECTRONIC SUPPLY announced today the release of their 1998 catalog which will be mailed to 35,000 active customers in mid September. If you are not a customer already, just call 602, 820-5411 or fax 800, 706-6789 for your free copy of the catalog, or visit their new web site: WWW.TUBESANDMORE.COM

GET THE EXTRA IMPACT of bold ads like this. Remember to ask for BOLD when placing your Amateur Radio Trader ads.



RADIO AMATEUR ASSOCIATES has introduced a new low cost add-on product for the amateur or "Ham" radio community. The HamComm Decoder which is now available, allows you to receive slow scan TV images via your HF amateur radio or shortwave receiver. To find out more: http://www.radioamateur.com or E-Mail: products@radioamateur.com

5193M • ORGANIZATIONS

FREE: HAM RADIO Gospel Tracts. Christian leaders needed in any state, for National Youth Ministry Network. Write for details. Send #10 SASE with call letters: R.F. Bohmer, W1REZ, RAR-OFC Ministries, PO Box 8, Harmony, ME 04942. tf

5194 • PACKET EQUIPMENT (For Sale)

YOUR PACKET RADIO HQ complete inventory of TNC's Kantronics, MFJ, PacComm & accessories! Lowest prices, best service. Call Dennis @ 810, 659-1776. E-Mail: wb8qwl@juno.com

KAMPLUS ALL-MODE TNC with software, like new, will ship. $200.00. Call AA4IX, 803, 873-9465. o1

PACKET PK-64 W/COMPLETE Commodore computer 128/64/ drive 1571/ printer SG-10C/ color monitor: Thomson 36512IV, boxes, manuals, like new. $225.00. 617, 893-3377. o1

5198 • PHONE PATCH (For Sale)

KENWOOD PC-1A, NEW, never used. $65.00 plus shipping. SN6050341, wt. 3 lbs. K4GDG, George W. Carson, 615, 277-3221, RR 4, Box 632, Crossville, TN 38555. o1

5198A • PHONE PATCH (Wanted)

NEED A PHONE PATCH to connect to a Motorola UHF base transceiver. Send info to: Daniel Owen, Communications Coordinator, One Overhill Lane, Roslyn, NY 11576-1407. o1

5201 • POWER SUPPLIES (For Sale)

ASTRON, BRAND NEW w/warranty, RS-20M $99.00, RS-35M $145.00, RS-50M $209.00, RS-70M $249.00. Call for other models. AVT, 626, 286-0118. E-Mail: aj547@lafn.org

PYRAMID, BRAND NEW w/w PS-52. $179.00. PS-36. $119.00. PS-21. $79.00. PS-14. $49.00. PS-12. $45.00. PS-8. $29.00. After 7PM, 718, 237-0946. n2

ASTRON RS70-M 70 AMP surge, new in original box. Delivered, $250.00. 607, 758-6428. o1

0 TO 1500 VOLT DC 400MA continuous. Variac control. Voltmeter. Solid state. $50.00 +UPS ship. 38-lbs. Calif. 510, 783-2231. o2

PREAMPS:

5204 • HF PREAMPS

GET THE EXTRA IMPACT of bold ads like this. Remember to ask for BOLD when placing your Amateur Radio Trader ads.

5209 • QRP EQUIPMENT (For Sale)

INDEX LABORATORIES QRP Plus (original). Like new! Best offer. Peter, K2MMT, 914, 241-9170. o2

5212 • QSL CARDS

Quality QSL's BY WX9X from $18.95. Free samples! Stamps appreciated. 354 West St., Valparaiso, IN 46383. 219, 465-7128, http://qth.com/wx9x. tf

QSL CARDS MANY STYLES. Top quality. Order risk free. Plastic cardholders, T-shirts, personalized caps, mugs, shirts. Other Ham shack extras. Information and samples. Rusprint, 1-800, 962-5783. d2

VANITY CALL SPECIAL: 250 free "eyeball" cards with a "vanity" QSL order. Free Samples. W4MPY, Box 73, Monetta, SC 29105-0073. d1

DOC'S QSL CARDS. FREE custom design. SASE for samples & price list. 7914 Gleason Rd., Suite 1147, Knoxville, TN 37919. 1-423, 693-8810 or docs@icx.net (http://user.icx.net/~docs)

100 QSL CARDS $7.50 postpaid. We also print mini QSL and QSO cards. Stamp for sample. Artist, PO Box 148652, Nashville, TN 37214. tf

5215 • RADIO COMPONENTS (For Sale)

WWII ELECTRONIC equipment. Send $2.00 for the 40 page list and receive $5.00 credit on your 1st order. F.J. Conway, W4YIG, ART, 2217 NE 17th Terrace, Ft. Lauderdale, FL 33305-2415. tf

RF TRANSISTORS, TUBES & 2SC1969, 2SC2166, 2SC2879, MRF-454, TA7222AP, MB3756, 2SB754, 2SC1307, 3-500ZG, 4CX250B, 572B, 12DQ6/12GB3. Westgate 800, 213-4563. f2

ELECTRONIC EQUIPMENT and parts. Send $2.00 for flyers. Receive $3.00 credit on first order. Eighty Electronics, PO Box 772, Honaker, VA 24260. o2

HALLICRAFTERS HT-37. $100.00. Hallicrafters WD-4000. $50.00. Allied (Knight) KG-625 VTVM w/manual Burstein Applebee 1964 catalog. $10.00. All plus shipping. Frank Sanatore, 312 W. Wooster St., Navarre, OH 44662. n1

5216 • RADIO COMPONENTS (Wanted)

RF TRANSISTORS, DIP & metal clad micas, variable & trimmer caps. Tube inventories. Clean goods only. Chip, 1-800, 854-1927. tf

Amateur Radio Trader - It's like holding a hamfest in your hands!

NEED PARTS FOR Kenwood TS-440-AT transceiver. WB4BYH, Keith, 423, 694-0680. dkhenson@juno.com

WANT: HIGH VOLTAGE oil filled capacitors 5Kv or more. 15UF or higher. Also want 1 (one) meg ohm resistors 2W or higher for multipliers. Please call Lou at 203, 894-1705. n1

5218 • RADIO REPAIR

RADIO EQUIPMENT REPAIR, sales and service. W2AL, Roy Dawson, Radio Communications, 1784 Mitchell Ct., Daytona Beach, FL 32124. 904, 760-7600. n2

YAESU HF REPAIR specialist. FT-101's, 301's, 707's, 757's, 901/2's & etc. EES/Byron Campbell, 423, 278-1092, from 1:30PM to 5:30PM EST. 126 Stiner Shores Rd., Sharps Chapel, TN 37866. Closed Wed. & Sun. E-Mail: wa4geg@juno.com

AMATEUR RADIO REPAIR, N4KVP, Larry, Sandhills Technical Service. HF to 70CM, affordable $35/hr., no minimum, free estimates and technical assistance. Quick turn around. Call 910, 974-7867 anytime. tf

REPAIRS: WE REPAIR ALL equipment, rigs, amplifiers, and more! Give us a call! MC/Visa. K0ZL KB0HTC, 5293 Arbutus St., Arvada, CO 80002. 303, 424-4858, 24/hrs. tf

THE RADIO SHOP: NEW, used, Ham, parts, accessories, antennas, microphones, and more. Call for latest prices. Vox 909, 390-5056; fax 909, 390-5058. www.si14.com/trs

I NEED SOMEONE TO repair my SX-28 and my PMR-7. 419, 468-1982, Park, 632 N. Market, Galion, OH 44833. o1

5220 • RADIO SCHOOLS

DISC JOCKEY! Sportscaster! News! Columbia School of Broadcasting home study school. 5808 Columbia Pike, Baileys Crossroads, VA 22041. Call: 1-703, 820-2020 for free information. f1

5222 • REAL ESTATE (For Sale)

DON'T MISS THIS unique opportunity to own 20 acres w/survey, roads complete and mineral rights. $60 dn, $69 per month. 15 minutes East of El Paso. Two parcels Texas Veteran Land Program approved. Red Rock Ranches. 800, 564-8827. tf

SOUTH TEXAS RADIO ranch: two towers (100'/70'), two buildings, water, etc. Six acres, no restrictions. Recreation only, not residential. Asking $30K or trade w/RV or Collins. n2

5228 • REPEATERS (For Sale)

REPEATER MODIFICATIONS for commercial mobile radios on 3.5" PC disk. Includes instructions for repeater conversions for GE Master II, Custom MVP, Exec II, Motorola Micor, and Mitrek. Covers VHF and UHF mods of all radios listed. Send $12.50 to: Information Sources, PO Box 1266, Victoria, TX 77902-1266. o1

ERICSSON MASTER-III 440 repeater, Ham or commercial use w/TX/RX duplexer, link RLC2A controller, Super Station Master antenna. $7,500.00. 302, 398-0425. o2

5231 • ROTATORS (For Sale)

WE BUY, SELL AND recondition CDE rotors and control boxes. Edward Trella, WA1GLJ, Meriden, CT. Phone 203, 237-2875. o1

PROP PITCH MOTORS, small and med sizes. Excellent condx. Will turn your 80M Yagis. Aztec conversion info supplied. $375.00. 906, 885-5719. o1

5232 • ROTATORS(Wanted)

USED ROTORS, controls, CD-44, Ham-M, 2,3,4, T2X, or larger. Call Rotor Doctor, 1-800-3rotors or fax to 419, 353-CATS. tf

TAILTWISTER CONTROL box only. Will consider entire unit. W4KSV, 1-888, 292-9692. E-Mail: w4ksv2@worldnetatt.net

5234 • RTTY/AMTOR/PACTOR (For Sale)

MODEL 19. FREE FOR pick-up. APX-6. $60.00. I ship. 317, 271-1419, Richard. k9ofg@juno.com

5237 • SATELLITE EQUIPMENT (For Sale)

ONE TWELVE FOOT aluminum dish w/mount. Five hundred dollars. Contact: N0DPE, R. Clark, 424 County Road 516, Altenburg, MO 63732. Phone 573, 833-6404. o2

5238 • SATELLITE EQUIPMENT (Wanted)

PACSAT STATION PLANNED. Need track box, antennas, radio, etc. 403, 860-1596, Christian, WO1V. n1

5241 • SCANNERS (Wanted)

WANTED: SCANNER WITH cellular capabilities. N4TVA, 334, 745-0552. o1

5243 • SHORTWAVE RECEIVERS (For Sale)

SCOTT SLRM MARINE receiver, Zenith Transoceanic, most tube type, lots of Hallicrafters R-390A, R-392, Knight R-55 and Star Roamer, Lafayette HA-350, Allied SX-190. Alan, 520, 575-1960 or 970, 577-0677. o2

SHORTWAVE RECEIVER MFJ world band, like new, manual, SSB, CW, wide dial. Experimenters, here's a great challenge. Covers the world. $60.00, shipped. MFJ antenna tuner available. 1-800, 484-4462, ID 5004, Sid, KA8TIC. o1

YAESU FR6-9600 50-906MHz all-mode VHF/UHF receiver scanner, hardly used, with service manual. $300.00 or best offer. Phil, WB6MYL, 562, 924-0418. o1

ICOM R-71A RECEIVER, latest model w/PBT, variable band width. $595.00. Icom SP-20 speaker w/audio filters. $110.00. All manuals, both like new. 716, 688-2085. o1

AOR 7030, MINT, manual. $850.00, shipped. Index Lab QRP Plus. $500.00, shipped. KE4TBA, 704, 256-9295. o1

5244 • SHORTWAVE RECEIVERS (Wanted)

TUBE TYPE SHORTWAVE receivers wanted. Alan, 520, 575-1960 or 970, 577-0677. o2

HOWARD EQUIPMENT WANTED for SWL/ KF4ATA. H. Box, 112 Providence Rd., Oak Ridge, TN 37830. 423, 482-2311. o1

WANTED: ICOM R-7100. Must be in good shape. Reply to Darrell, N7ZKH, 503, 761-1494. d1

NAVY TCS RECEIVER in good condition, Lafayette model HA-800. Call Charlie, 423, 870-5873, after 6:00. o1

GONSET GR-212 WANTED. Would like a mint, original unit. Write w/phone: K. Cox, 15800 E. 44th Ter., Independence, MO 64055-5262. o2

STOLEN NAVY RBC-3 & modified BC-348 from Buffalo Hamfest 9/20/97. Hamburg Police incident #718210. Reward for information. 440, 937-6670, W8MIC, Lee, 2714 Jaycox, Avon, Ohio 44011. o2

WANTED: SONY SHORTWAVE receiver model ICS 6800-W. Call or leave message, Tom, 703, 293-7171. o2

5246 ● SPECIAL EVENTS & CONTESTS

CANADIAN LADIES AMATEUR Radio Association (CLARA) 30th Anniversary Celebration, Sept. 26, 27 & 28. One half hour North of Toronto. Jam packed with events. http://www.osha.igs.net/~lsolomon/clara/clara.htm or Cathy, VE3GJH, 905, 473-9972. o1

PACIFICON 97, ARRL Pacific Division Convention. Oct. 17-19, 1997, Hilton Hotel, Concord, CA. Hosted by the Mt. Diablo Amateur Radio Club which is celebrating its 50th anniversary this year. There will be a special 1947 vintage special event station as well as numerous other stations including: OSCAR Satellite, QRP, ATV, microwave, APRS, JOTA and others. Special QSLs will be available. FFI visit our web site at: WWW.MDARC.ORG

QRP ARCI FALL QSO Party, CW, sponsored by QRP ARCI, 1200Z Oct. 18 until 2400Z Oct. 19. Single band, all band, high (20, 15, 10, 6) or low (160, 80, 40) band. Operate no more than 24 hours. Work stations once per band. Exchange RST, state/ province/ DXCC country, and ARCI no. (if nonmember, send power output). 1.810, 3.560, 3.710, 7.040, 7.110, 14.060, 21.060, 21.110, 28.060, 28.110, 50.128. Score 5 pts./QSO w/members, 2 pts./QSO w/nonmembers on same continent and 4 pts./QSO w/nonmembers on different continents. Final score is QSO points x states/ provinces/ DXCC countries x power multiplier (>5W, x1; <5W, x7; <1W, x10; <250 mW, x15). Send entry to Cam Hartford, N6GA, 1959 Bridgeport Ave., Claremont, CA 91711, or E-Mail to camqrp@cyberg8t.com. For more information, see http://RTPnet.org/~qrp/

ILLINOIS QSO PARTY, sponsored by the Radio Amateur Megacycle Society, 1800Z Oct. 19 until 0200Z Oct. 20. Phone and CW. No repeater QSOs. 160 through 2M, excluding 30, 17 and 12M. CW 3.550, 7.050, 14.050; phone 3.890, 7.290, 14.290; Novice 30KHz up from bottom for CW, 28.390 for phone. IL stations exchange RS(T) and county; others exchange RS(T) and state/ province/ DXCC country. Count 1 pt./QSO on phone, 2 pts./QSO on CW. Work stations once per band and mode, and once per band/ mode/ county for IL mobile stations. All parties which embark with a mobile must use the mobile's call exclusively for the duration of the contest. Contacts with/by mobile stations on border of two counties count as two counties and two QSOs. IL stations multiply QSO total by sum of states, IL counties, VE provinces plus a maximum of five DXCC countries. Count additional DX for points, but not multipliers. Others multiply QSO points by the number of IL counties worked. All stations may take one bonus multiplier for each eight QSOs with the same IL county. Awards. Send entries by Nov. 17 to RAMS, %John Matz, KB9II, 7079 West Ave., Hanover Park, IL 60103. o1

CQ WW DX CONTEST, phone, sponsored by CQ Magazine, 0000Z Oct. 25 until 2400Z Oct. 26 (CW is 000Z Nov. 29 to 2400Z Nov. 30). Exchange RS(T) and CQ zone. Classes: single operator all band/ single band/ assisted, high power/ low power (<100W)/QRP (<5W); multi single, multi multi. Multi-singles have a 10 minute rule. All classes may only have one transmitted signal per band. Work stations once per band. Team and club competition. North American stations score 2 pts./QSO w/stations in different countries on the same continent and 3 pts./QSO w/stations on different continents; stations in the same country may be worked for zone credit, but no points. Multipliers are CQ Zones and countries (DXCC +WAE). Final score is QSO points x multipliers. Awards. Send logs by Dec. 1 (Jan. 15 for CW) to CQ Magazine, 76 N. Broadway, Hicksville, NY 11801. o1

INDIANA (BLOOMINGTON) Bloomington ARC, W9INL, 2100Z Oct. 17 to 1800Z Oct. 19, 1997 Hilly Hundred Bicycle Ride, 80, 40, 20. Certificate. Bloomington ARC, 2129 S. Rogers St., Bloomington, IN 47403. o1

TEN-TEN INTERNATIONAL Net fall CW contest, sponsored by Ten-Ten International, from 0000Z Oct. 25 until 2400Z Oct. 26. Single op only, CW and RTTY, 10M only. Categories: individual, QRP, club. Contacts must be in CW subband. Exchange call, name, state and 10-10 number (if member). Score 1 pt./QSO w/nonmembers and 2 pts./QSO w/members. Final score is QSO pts. x prefixes. Awards. Send logs to Luke Bannister, AD4MG, 2541 Caliber Dr., Richmond, VA 23231. Logs must be postmarked no later than November 10. For more information, see http://www.lehigh.edu/lists/tenten-l/

KANSAS (NOWHERE) Douglas County ARC, W0UK, 1400Z-2100Z Oct. 18, commemorating the Midland Historical Railway Assn., 7.040, 7.240, 14.040, 14.240. Certificate. Bob Drake, N0TFU, 3020 Rimrock Dr., Lawrence, KS 66047. o1

ILLINOIS (NOWHERE) Iowa Radiosport Society, W0FUN, 1400Z-2100Z Oct. 18, Iowa Radiosport Society, 1400Z-2100Z Oct. 18, 40, 20. QSL. Iowa Radiosport Society, W0FUN, Box 68, Burlington, IA 52601-0068. o1

VIRGINIA (YORKTOWN) Williamsburg Area ARC, K4RC, 1300Z-2100Z Oct. 18, Yorktown Day, 3.850, 7.230, 14.235, 28.450. Certificate. Lawrence E. Boellhoff, W3MGL, Box 353, Toano, VA 23168. o1

COLORADO (CANON CITY) Royal Gorge ARC, NC0A, 1400Z-2100Z Oct. 18, Royal Gorge Bridge, worlds highest suspension bridge, 40-10. Certificate. Chuck Ward, NC0A, 1011 Harrison Ave., Canon City, CO 81212. o1

WHAT IS THE BEST bargain in ham radio? How about a classified ad in Amateur Radio Trader? For as little as $10.00 you can reach a nationwide audience of ham radio buyers. Call or Fax today. 800, 774-2623, Fax 800, 423-9030.

NEW YORK (STATEN ISLAND) Staten Island ARA, W2CWW, 1200Z-2000Z Oct. 18, celebrating 75 years of affiliation with the ARRL, first 25KHz of all HF General phone bands. Certificate. SIARA, Box 140495, Staten Island, NY 10314. o1

NEW YORK (BETHPAGE) The Briarcliffe ARC/The Long Island Mobile ARC, 1400Z Oct. 18 to 0200Z Oct. 19, opening of the Briarcliffe College Club Station, 40, 20, 15, 10. Certificate. LIMARC, Box 392, Levittown, NY 11756. o1

GEORGIA (AUGUSTA) ARC of Augusta, KS4OC, 1200Z Oct. 18 to 1900Z Oct. 19, 6th annual Boshears Memorial Fly-in and Air Show, 14.225, 14.250, 14.300, 14.340. QSL. Frank Scoggins, KS4OC, 1850 Engle Rd., Augusta, GA 30906. o1

PENNSYLVANIA (WAYNESBURG) Greene County ARA, 1400Z Oct. 18 to 2000Z Oct. 19, 201st Anniversary of Greene County, 7.285, 14.285, 21.345, 3.895. Certificate. Frank Van Cleve, 234 E. Greene St., Waynesburg, PA 15370-1811. o1

OHIO (CINCINNATI) Boy Scout Troop 471, K8BSA, 0000Z Oct. 18 to 0400Z Oct. 19, Jamboree on the Air, 40 and 20. Certificate. BSA Troop 471 Radio Station, 2827 Rosebud Dr., Cincinnati, OH 45238. o1

NEW JERSEY (NUTLEY) Nutley ARS, W2GLQ, 1400Z Oct. 18 to 2300Z Oct. 19, Anne Oakley Day, 3.940, 7.240, 14.240, 21.375. Certificate. NARS, %Nutley Red Cross Bldg., 165 Chestnut St., Nutley, NJ 07110. o1

FLORIDA (HOLLYWOOD) Hollywood ARC, WB4TON, 1400Z Oct. 18 to 2000Z Oct. 19. Broward County Pioneer Days, 40, 20, 15, 10. Certificate. Hollywood ARC, 720 N. 71st Ave., Hollywood, FL 33024-7332. o1

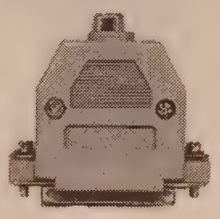
CALIFORNIA (CONCORD) MDARC, W6CX, 1500Z Oct. 18 to 1900Z Oct. 19, Pacificon '97 convention, 7.045, 7.265, 14.065, 14.285. Certificate. W6CX, 2890 Grande Camino, Walnut Creek, CA 94598. o1

CALIFORNIA (EDWARDS AFB) NASA-Dryden ARC/Edwards AFB MARS/Antelope Valley ARC, NA6SA, 1400Z Oct. 18 to 2345Z Oct. 19, Edwards AFB Open House and Air Show 50th USAF Birthday, 28.365, 14.265, 7.265. Certificate. Paul Turkheimer, WA6NKL, Box 874, Acton, CA 93510. o1

NORTH CAROLINA (BREVARD) Transylvania County ARC, KE4ZIS, 1300Z Oct. 31 to 0100Z Nov. 1, 9th annual Halloween Fest, 7.237, 14.295, 21.305, 28.335. Certificate. TCARC, Box 643, Brevard, NC 28712. o2

ARE YOU READING SOMEONE else's copy of Amateur Radio Trader? You can have your own subscription for only $14.95 per year (two issues per month). Call today! 800, 774-2623. Major credit cards accepted.

5248 ● SSTV (For Sale)



SLOW SCAN TV UNDER 20 bucks. HamComm Decoder decodes SSTV, Fax, CW and more. Send $19.95 plus $3.00 S&H to: Radio Amateur Associates, Box 1164, Radcliff, KY 40159 or electronic checks taken at: http://www.radioamateur.com

5251 ● SWAP OR TRADE

KENWOOD TM-451A, VERY clean, used less than a month. Trade for FT-50RD in clean condition. Brad, KB9PLO, 309, 535-3466. o1

5253 ● TEST EQUIPMENT (For Sale)

SHACK FULL OF GOOD used test equipment HP Tektronix Rohde & Schwarz EIP G.R. Also calibration equipment and Standards. Send SASE to: Tom Person, PO Box 385, Glennallen, AK 99588. E-Mail: thomasp@alaska.net

SYSTRON-DONNER 1327B service analyzer. $1,000.00. TS-403U 1.8-4.6GHz. $100.00. Measurements 1034B. $175.00. Measurements 65B. $100.00. Edgar, K2LU, 941, 543-5824. o2

TEKTRONIX 549 STORAGE (memory) o'scope with IL20 spectrum analyzer plug-in plus CA-B-M vertical plug-ins and cart. All for $750.00 obo. O.C. Powell, WB4WAA, 130 Powell Rd., Rocky Mount, NC 27801. 919, 977-6775. n1

I HAVE SERVICE MONITORS from $99.00. Many mot's 1327's thru R2600's! Same day ship! IFR 1200S & 500A. All w/manuals and NIST cal. Frank, 956, 761-7454. E-Mail: FIRCLS54@AOL.Com

B&K MODEL 1540 40MHz dual trace oscilloscope in absolute mint condition w/manual, probes and original box. $339.00. I'll pay for shipping. Steve Raycraft, WB2KKX, 315, 788-9323. n2

TEST EQUIPMENT: BOUGHT, sold, consigned. R.T. Burton & Co., 706, 733-1414, fax 706, 733-0880. Web site: http://www.aaow.com/rtb/

5254 ● TEST EQUIPMENT (Wanted)

WANTED: RADIO SERVICE monitors IFR, Motorola, Cushman, Waveteck. Call me last for best cash price. Paul, 510, 229-2034; fax: 510, 229-2035. http://www.best.com/~rfimage

WANTED: LATE model test equipment and test equipment manuals, H.P., Tektronix and others. Fax your for sale list to 410, 750-1192 or mail to U.S. Surplus, PO Box 37, Ellicott City, MD 21041, Attn: Ron Baublitz. Phone# 410, 750-1083. E-Mail: ussurplu@clark.net

WANTED: USED SERVICE monitors-IFR, Motorola, Marconi, late model Hewlett Packard equipment, etc. References available. Ph. 716, 763-9104, 716, 661-9964, fax 716, 763-0371. ap1

WANTED: RCA CATHODE RAY oscillograph, made early 30's, has 3" scope and weighs approximately 39 lbs. w/leather handle. Will pay fair price for this unit. Can arrange for pick-up anywhere in the USA. Call Larry Drago, 203, 272-6030; fax: 203, 272-2002. E-Mail: theradioman@webtv.net

WANTED: AUTOMATIC component/ chip handlers. E.g. Daymark, GTI, Engineered Automation, Electrosort Automation, etc. Contact: Dan Dankert, N6PEQ, 714, 639-1000 ext. 119. n2

5256 ● TOWERS (For Sale)

ALUMA TOWERS, crank-up, tilt-over, light weight, strong. Virtually maintenance free. For free information, call C.G.A. Enterprises, toll-free 888, 510-7373. E-Mail: mail@cga-usa.com

NEVER USED HY-GAIN crank-up 70' tower, all hardware & insulation information included. Needs a good home. $2,500.00 obo. Located near Topeka, Kansas. 785, 271-8409. o1

FOLD-OVER, CRANK-UP tower. $100.00. You take it down. Central CT. KM1W, 860, 633-0334. o1

72' MOTORIZED TOWER and Telrex monoband antennas 5 elements 15M & 20M and 3 element 10M, 20ft. mast and CDE Tailtwister rotor. Sam, 601, 924-1764. o1

50' ROHN 25G, ROTOR shelf, guy wires, house bracket, all hardware, disassembled. WB4EFJ, Harry, 919, 522-1370. Pick-up only. $350.00 obo. o1

50FT. MARTIN TOWER, rotor, hazer, 2M Yagi, EX-14 beam, coax, cables, winches, mast. You disassemble and pick-up. $2,000.00. 30ft. crank-over tower, 15ft. mast, 2M vertical. $200.00. 918, 335-3175. o1

US TOWER: WE ARE one of a few authorized US Tower distributors in the U.S. Our prices are excellent. If this is your first tower, we'll hold your hand and walk you through. We know towers! Try us for a quote. Complete turnkey systems available. See our web page at www.paxtron.com/src. Call SRC/Paxtron at 800-HAM-TOWER (800, 426-8693). o1

FOR SALE: U.S. ARMY portable radio tower and trailer, 50 foot extension, including motor, hand crank, rotor cage. Perfect for Field Day! Asking $3,000.00. Call John, WQ1P, 203, 625-0292. n2

5261 • TRANSCEIVERS (For Sale)

HY-GAIN TRANSCEIVER BY Panasonic 200W PEP w/external speaker 160-10M solid state digital except finals, mint condition, box, manuals. $750.00. Great bargain. W7EAP, 425, 641-3232. o2

5261A • TRANSCEIVERS (Wanted)

LOOKING FOR LOW PRICED 10M transceiver or HF transceiver for low price. Just getting on air again after fifteen years. Need some help getting started again. Bill, KC4CMX, 2809 Clovis Rd. #9, Lubbock, TX 79415-1603. 806, 799-7270 or 762-8086. o1

NEW HAM (RETIRED). WILL buy older model multiband transceiver at reasonable price plus UPS charges. Call George at 616, 228-6324, KC8HTB. o1

WANTED: 2M ALL-MODE and 6M SSB rig. 409, 589-2663. o2

WANTED: 6M ALL-MODE transceiver reasonable and in good condition. Also used 40' tower near Mobile or Pensacola area. Call or write Joe Befay, KF4BJW, 32178 W. Carrier Dr., Lillian, AL 36549. 334, 961-3107. n2

5261S • TRANSMITTERS (For Sale)

FIVE CHANNEL MAX radio control and Navy Corsair w/.61cc motor. Never flown. $389.00 +shipping. F-51 Fighter rear mount engine. $38.00 +shipping. Fuel box, starter, parts. $39.00 +shipping. Jester w/.46 motor. $125.00 +shipping. N1YMX, 802, 875-4003. o1

5263 • TRANSVERTERS/ CONVERTERS (Wanted)

WANTED: 2M TRANSVERTER for Kenwood 520SE. Also 1950's Military radios. For sale: Icom 20 2M crystal radio. Call Steve at 785, 267-6753. o2

5265 • TUBES (For Sale)

ELECTRON TUBES. ALL types bought and sold. Daily Electronics, 10914 NE 39th St. #B6, Vancouver, WA 98682. 800, 346-6667. o1

TUBES: BUY/SELL. Send for free 1997 catalog. Electron Tube Enterprises, Box 8311, Essex, VT 05451. Tel:802, 879-1844. Fax:802, 879-7764. d2

TUBES: RECEIVING AND special purpose. Over 2000 types in inventory. 811A. $12.00. 572B. $35.00. 3-500Z Graphite. $105.00. GE 6146W. $17.00. Eimac 4CX1500B. $350.00. Send for price list, Radio Electric Supply, 1298 SE 5th Ave., Melrose, FL 32666 or see pricing on the Internet: http://www.vacuumtubes.net. 352, 475-1950 phone/fax. au1

RADIO ELECTRIC SUPPLY is your East Coast source for Svetlana power and audio tubes. We accept major credit cards. Give us a call at 352, 475-1950 or visit us on the Internet: http://www.vacuumtubes.net

TRANSMITTING TETRODES, barely used, Siemens RS1002A (4-400A, QB4/1100) with two sockets (same as for 3-500Z). $60.00/ea. 416, 923-3026, after 6PM. o1

RADIO AND TELEVISION tubes P.T.S. boards, tuners, semiconductors. Write for inventory list. J.H. Myers, Payio Repair, 705 Nathaniel Court Apt. 75 Briarcliff, Johnson City, TN 37604. n1

TRANSMITTING, RECEIVING, Military. NOS and used. Call 1-800, 292-5243 or fax 1-800, 292-5248 (24 hours). Bruce Wright, KD5AID. n2

5266 • TUBES (Wanted)

TOP DOLLAR FOR CLEAN, unused Eimac tubes. Also 6JB6, 6JE6, 6JT6, 6JU6, 6KD6, 6KG6A, 6LF6, 6LQ6, 6MJ6, 12JB6, 20LF6, 30KD6, 40KG6A, EL509, PL519, 8950, M2057. Chip, 1-800, 854-1927, fax 619, 744-1943. tf

WANTED: ELECTRON tubes, ICS, semiconductors, diodes, transistors, rectifiers, DRAMS, S-RAMS, voltage regulators, SCRS. Astral, POB 707AR, Linden, NJ 07036. 800, 666-8467. f2

WANTED: ELECTRON TUBES. Top prices paid for clean unused tubes. 6LB6,6KD6, 6KG6A,6LF6, 6LR6,6LQ6, 6JB6, 6ME6,6KV6, 6JT6,6MJ6, 6JU6,EL509, 8950,M2057, 20LF6,8417, 6JS6C,6JF6. Sundance Electronics, 205, 482-2983. d1

WANTED: LARGE OR SMALL boxes of tubes. Prefer early radio and audio types but will buy most inventories. I can arrange direct home pick-up anywhere in the USA. Call Larry Drago, 203, 272-6030; fax: 203, 272-2002. E-Mail: theradioman@webtv.net

TUBES WANTED: Must be well known brands made in US or W. Europe. Used tubes need clear markings and silver color flashing. Must test good. Quantities wanted. New tubes: 2A3, $30.00. RCA 45(Globe), $25.00. WE 205D/E (TB) $300.00. (WE) 252A, (WE) 300A/B. $650.00. 50(RCA). $45.00. Used tubes: 2A3. $10.00. 2A3(SP). $100.00. 250(Globe). $75.00. RCA 45(Globe). $15.00. WE 274A/B. $150.00. WE 205D/E (TB). $225.00. 252A (WE). $300.00. RCA 50(ST-19). $50.00. George Stagakis, 1714A 41st St., North Bergen, NJ 07047, %George's Antique Radio & TV Repair. Phone 201, 867-9136; fax 201, 867-4044. o1

HIGHEST PRICES PAID for new and used tubes. I will pay $200.00+ for Western Electric 205D (tennis ball shape) used. $150.00+ for Western Electric 274A/B (engraved base) used. $450.00+ for Western Electric 300A/B (engraved base) used. $100.00+ for 2A3 (single plate) used. Any questions, please call Don Singerhouse, 1-715, 246-3899. o2

ELMAC 8875 TUBES for old Dentron MLA-2500 final amplifier. Used tubes ok. Ed Boudway, 10011 View Crest Ct., Spring Valley, CA 91977. Phone 619, 464-1516. o1

WANTED: WESTERN ELECTRIC & foreign made tubes in any condition, size, and numbers new or used. I'll buy all your tubes, not just the best ones in the box, thus leaving you w/a less desirable collection. Call me after you have called the rest for the fairest prices in the West. I can arrange direct home pick-up anywhere in the USA. Call Larry Drago, 203, 272-6030; fax: 203, 272-2002. E-Mail: theradioman@webtv.net

NEED GOOD 813. WILL trade 5R4S, 5U4S, 6L6S, etc. Len, 818, 343-2643, W6AUG. n2

WANT TO BUY NEW: 211, 212, 805, 845, 849, 851. Others: RCA 6L6GC, 2A3, 5AR4, 6CA7, EL34, 45, 50, VT52, VT25, 801, KT88, 6550, 833A, etc. 801, 225-7777. n2

5267 • VE EXAMS

ARKANSAS (SILOAM SPRINGS). Oct. 11. Sponsored by Northwest Arkansas Amateur Radio Club, at the Cecil Smith Airport at 9am CST. Airport located 1/4 mile North of Interstate 412 on AR 59 at East end of city. Pre-registration only. Contact Mike, KJ5OP, 501, 524-8090. o1

ARKANSAS (SILOAM SPRINGS). Nov. 8. Sponsored by Northwest Arkansas Amateur Radio Club, at the Cecil Smith Airport at 9am CST. Airport located 1/4 mile North of Interstate 412 on AR 59 at East end of city. Pre-registration only. Contact Mike, KJ5OP, 501, 524-8090. o2

ARKANSAS (VAN BUREN) 3rd Sat. of each month at 8AM. Location: Crawford Memorial Hospital Conference Room. Walk-ins. Sponsor: Crawford Hospital. TI: 147.165+. Contact: Charles Wells, KM5GJ, 501, 632-5572. o2

ARKANSAS (WEST MEMPHIS) 1st Saturday each month at 2PM. Location: West Memphis, AR. Walk-ins are welcome or you can pre-register. Contact: Alton Banton, 870, 735-7018. o1

CALIFORNIA (COLTON) Oct. 23, at 5PM. Location: Colton Public Library, 9th & D St., Colton, CA 92324. Walk-ins. Sponsor: Inland Amateur Testing Team. Contact: Harold, AB6RN, 909, 825-7136. o1

CALIFORNIA (FREMONT) Nov. 11, at 7:30 PM. Location: Firehouse #4, 1000 Pine St. & Padre Parkway (basement). Walk-ins. Sponsor: Sunnyvale VEC ARC, Inc. TI: 147.015 (+). Contact: Dennis, K6DF, 510, 791-0954. wa6jvz@ccnet.com

CALIFORNIA (MONTCLAIR) Oct. 27, at 6:30 PM. Location: Montclair Civic Center. Walk-ins. Sponsor: W5YI, City of Montclair. Contact: Steve Culhe, 909, 597-2249. o2

CALIFORNIA (SEA RANCH) Nov. 1, at 2:30 PM. Walk-ins. Sponsor: Sunnyvale VEC ARC, Inc. Contact: Bob, AA6VS, 707, 785-3523. o2

CALIFORNIA (POMONA) Oct. 25, at 1:00. Location: United Covenant Methodist Church, Towne Ave. and San Bernardino Rd., in Room 12. Pre-register. Sponsor: Tri-County Amateur Radio Association. Contact: Don Warburg, 909, 949-0059. o1

CALIFORNIA (REDWOOD CITY) Oct. 18, at 11AM. Location: American Legion, 651 El Camino Real. Walk-ins. TI: 145.23 (-) PL=100Hz. Sponsor: Sunnyvale VEC ARC, Inc. Contact: Joe, KB6OWG. o1

CALIFORNIA (SUNNYVALE #1) Oct. 26, at 10:30 AM. Location: 840 W. Washington Ave., cross St.=Pastoria Ave. Walk-ins. TI: 145.270 (-). Sponsor: Sunnyvale VEC ARC, Inc. Contact: John, KG6XF & Gordon, W6NW. o1

CALIFORNIA (SUNNYVALE #1) Nov. 8, at 10:30 AM. Location: 840 W. Washington Ave., cross St. = Pastoria Ave. Walk-ins. Sponsor: Sunnyvale VEC ARC, Inc. TI: 145.270 (-). Contact: John, KG6XF & Gordon, W6NW. o2

COLORADO (BOULDER) 4th Sat. each month, at 10AM Mtn. Location: Boulder County Fairgrounds Office, Northeast corner of Nelson and Hover Roads. Walk-ins. Sponsor: Longmont Amateur Radio Club ARRL/VEC. Contact: Earle E. Cate, NOISB, 303, 776-9158. o1

FLORIDA (FT. MYERS) 2nd Thursday every month at 6:30 PM. Location: E.O.C. Bldg., Ortiz Ave., Ft. Myers, FL. Special needs, pre-register. Walk-ins. Sponsor: Ft. Myers Amateur Radio Club ARRL/VEC. Contact: Len Deibert, KC4GOA, 941, 694-2505. o2

FLORIDA (PALM COAST) 2nd Sat. of every month at 9:30 AM. Location: DBCC Satellite, Palm Coast Pky. E. Walk-ins. TI: 147.555 simplex. Sponsor: P.C. VE Team. Contact: Peter Duecker, 904, 445-0951. o2

FLORIDA (ST. PETERSBURG) 2nd Fri. of every month, at 6:30 PM. Location: 5th Avenue North Baptist Church, 4901 5th Ave. N., St. Petersburg, FL. Walk-ins. Sponsor: Pinellas County Radio Clubs. Contact: Gary Gleich, 813, 526-9818; George Baustert, 813, 541-2895. o1

FLORIDA (TAVARES) 3rd Sat. each month, at 9:30 AM. Location: LARA Clubhouse, County Rd. 473, Tavares, FL. Walk-ins. Sponsor: Lake Amateur Radio Association. TI: 147.255+ PL 107.2. Contact: Paul Branch, 352, 343-8729. o1

FLORIDA (VERO BEACH) Oct. 16, at 7PM. Location: Vero Beach, FL. Walk-ins. Sponsor: Vero Beach Amateur Radio Club. Contact: Roger, K4RS, 561, 567-3979. o1

GEORGIA (WARNER ROBINS) 3rd Sat. each month at 9AM. Location: Warner Robins, GA 31093. Sponsor: Central Georgia Amateur Radio Club. Contact: James P. Fodor, 912, 923-4825. o2

ILLINOIS (BURR RIDGE) Every 4th Tuesday, at 6:30 PM. Location: Burr Ridge, IL. Pre-register. Sponsor: Argonne Radio Club. Contact: Dennis Lamoreaux, W9DS, 708, 986-0061. o1

ILLINOIS (CHICAGO) 1st Thursday of every month at 1900 hrs. Location: 4344 W. 51st St., Chicago, IL. Walk-ins. Sponsor: Midway VE's. Contact: Dennis, N9OZR, or Ron, K9SX, 773, 838-8000. o2

ILLINOIS (CHICAGO) 2nd Sat. of each month at 9AM. Location: Oak Forest High School, 151st & Central. Walk-ins. Sponsor: Hamfesters Radio Club. Contact: Al Bukowski, WB9ZKD, 708, 535-2981. o1

ILLINOIS (CHICAGO) 2nd Monday of every month at 7:30. Location: Ida Crown Jewish Academy, 2828 W. Pratt Blvd., Chicago, IL 60645. Walk-ins ok, but prefer pre-registration. Contact: David Newman, 773, 973-1450. o1

ILLINOIS (CHICAGO) 3rd Wednesday of every month at 1900 hrs. Location: Edgebrook Park Fieldhouse, 6100 N. Central Ave., Chicago, IL. Walk-ins. Sponsor: Chicago FM Club. Contact: Chicago FM Club (CFMC) "Ham Help Line", 773, 262-6773. o2

ILLINOIS (LIBERTYVILLE) 2nd available Monday each month at 7PM. I.E., in September will be 3rd Monday. Location: Lake County Communications Bldg., Libertyville, IL. Walk-ins. Sponsor: Lake County IL RACES. Contact: Gil Pliz, K9IQP, 847, 362-7851. o1

ILLINOIS (NORTH RIVERSIDE) 1st Sat. of month, 9-11AM. Location: Mid-City Bank (lower level), 7222 W. Cermak Rd., North Riverside, IL. Pre-register and walk-ins. Sponsor: C.S.R.A. Contact: John Vayda, K9JV, 630, 603-1689. o1

ILLINOIS (OAK FOREST) Second Sat. every month at 9AM. Location: Oak Forest High School, 151st & Central, Oak Forest, Illinois. Walk-ins. Sponsor: Hamfesters Radio Club. Contact: David Brasel, NF9N, 708, 448-0580. o1

INDIANA (LEBANON) Oct. 26, at 9AM. Location: Boone Co. Fairgrounds, Lebanon, IN. Walk-ins. Sponsor: Boone & Clinton Co. ARC. Contact: K9DFK, Don Leckiitner, 765, 249-2020. o1

KANSAS (WAMEGO) 3rd Sat. of odd months (1,3,5,7,9,11), at 2PM. Masonic Hall, 519 Lincoln Ave., Wamego, KS 66547. Walk-ins welcome. Sponsor: Manhattan Area Amateur Radio Society. Contact: Charles Carter, 785, 456-8596. o1

KENTUCKY (RADCLIFF) Nov. 8, at 10AM local time. Location: Radcliff, KY. Sponsor: ARRK VEC. Contact: Rick Tinsley, AD4SM, 502, 352-2361 or E-Mail: ad4sm@bbtel.com

KENTUCKY (RADCLIFF) Oct. 11, at 10AM local time. Location: Radcliff, KY. Sponsor: ARRK VEC. Contact: Rick Tinsley, AD4SM, 502, 352-2361 or E-Mail: ad4sm@bbtel.com

MICHIGAN (MT. CLEMENS) 1st Sat. of each month at 7:15 PM. Location: 55 Church St., Mt. Clemens, MI. Pre-register. Sponsor: U.S.E.C.A. Contact: Bill Chesney, N8SA, 810, 468-8345. o2

MISSOURI (JOPLIN) 3rd Thursday of each month, at 6:30 PM. Location: St. Paul Methodist Church, 2423 W 26th St., Joplin, MO. Walk-ins. Sponsor: Joplin Amateur Radio Club. Contact: John Tudenham, W0JRP, 417, 624-8058. o1

MISSOURI (ST. LOUIS) Last Saturday of each month at 9AM. Location: Jefferson County Library, High Ridge, MO. Pre-register and walk-ins. Sponsor: St. Louis Radio Examiners Association. Contact: Jim, KB0TIQ, 314, 942-4485. o1

MONTANA (HAMILTON) Last Mon. of every month, at 6:30 PM. Location: Forest Service Center, 1801 N. Hwy. 93, Hamilton. Use the rear entrance. Advance registration and payment of the $6.25 test fee would be appreciated. Walk-ins welcome if time is available. Special testing assistance or needs must be arranged in advance. Sponsor: The Volunteer Examiners of the Bitterroot Amateur Radio Club. Contact: Jim Wood, 571 Quast Ln., Corvallis, MT 59828. 406, 961-2489. o2

NEW JERSEY (BELLMAWR) Oct. 16, at 6:30 PM. Location: Senior Center (downstairs), Browning Rd. and Lewis Ave. (behind police station), Bellmawr, NJ. Walk-ins. Contact: Diane Nafis, N2LCQ, 609, 227-6281. o1

NEW YORK (YONKERS) First Sunday of each month at 9AM. Location: First Precinct Police Dept., Yonkers, NY. Walk-ins. Sponsor: Yonkers Amateur Radio Club. Contact: Emily Maytan, AC2V, 914, 237-5589. o1

NORTH CAROLINA (SMITHFIELD) 3rd Sat. of each month, at 9:30 AM. Location: Smithfield Public Library. Walk-ins. Sponsor: TEARA. Contact: Dave Hockaday, WB4IUY, 919, 554-2154. o2

NORTH CAROLINA (SPINDALE) Oct. 19, at 8:30 AM. Location: Isothermal Community College. Contact: A.B., AB4E, 704, 245-6334. o1

OHIO (COLERAIN) Last Monday of each month at 6PM ET. Location: Citizens Bank, Colerain, OH (near Wheeling, WV). Walk-ins. Sponsor: Triple States Radio Amateur Club, Inc. TI: 146.91-. Contact: Ralph McDonough, K8AN, 614, 546-3930. o2

PENNSYLVANIA (ERIE) Oct. 18, at 12:30 PM. Location: Gannon University, Erie, PA. Walk-ins. Sponsor: Gannon University Wireless Society, WB3DWL. Contact: John Duda, K3ED or Matthew Steger, N3NTJ. 814, 871-7778 or n3ntj@erie.net

PENNSYLVANIA (NEWTOWN) Oct. 19, at 9:30. Location: Bucks County Community College at PWA Hamfest. Walk-ins. Sponsor: Penn Wireless Association. Contact: George F. Le Noir, Jr., 215, 943-4886. o1

PENNSYLVANIA (PHILADELPHIA) Nov. 6, at 6PM. Location: The Franklin Institute, 20th St. & Ben Franklin Parkway, Phila., PA. Walk-ins ok. Sponsor: Philmont Mobile Radio Club. W3AA 147.030. Contact: Dusty Rhoads, ND3Q, 215, 879-0505, 215, 482-0386, 215, 448-1139 tape. o2

PUERTO RICO (SAN JUAN) Last Sat. of each month at 8AM. Location: University of Puerto Rico, NCN Building, Room #204. Walk-ins. Sponsor: Puerto Rico Amateur Radio League ARRL/VEC. Contact: Victor Madera, KP4PQ, PO Box 191917, San Juan, PR 00919. 787, 789-4998. o1

TENNESSEE (BARTLETT) 2nd Tuesday every month. Registration 5:30, exams at 6:00. Location: Ellendale Church of Christ on Hwy. 70, Bartlett, TN. Walk-ins accepted. Sponsor: ARRL. TI: 146.82. Contact: Joan Thorne, KN4PM, 901, 366-9722. o1

TEXAS (AUSTIN) Oct. 18, 1997 at 2:00 PM. Location: Room 109 of Fleck Hall on the campus of St. Edward's University in Austin, Texas. Walk-ins and handicapped accessible. Contact: Jim Greenwood, AB5EK, 512, 327-6184. Sponsor: W5YI-VEC. o1

TEXAS (HOUSTON) 4th Tuesday of every month, at 6:45 PM. Location: American Red Cross Headquarters. Walk-ins. Sponsor: KK5GA. Contact, Steve D. Spaniol, 713, 270-1504. o1

TEXAS (FORT WORTH) Oct. 9 & 23, at 7PM. Location: Lockheed Recreation Area Facility located at 3400 Bryant Irvin Rd., Fort Worth, TX. Sponsor: Lockheed Amateur Radio Club and The Kilocycle Club of Fort Worth, TX. Contact: Ted Richard, AB5QU, 817, 293-6745. o1

TEXAS (MIDLAND) 2nd Sat. every month at 8:30 AM CST. Location: Red Cross Building, Midland, Texas 79707. Walk-ins. Sponsor: V.E. Team & ARRL. Contact: Bryant W. Saxon, KD5C, 915, 520-5955. o1

TEXAS: Nov. 11, at 6:30 PM. Location: Strake Jesuit H.S. Bellare @ Gessner. Pre-register, but walk-ins accepted. Sponsor: Brazos Valley Amateur Radio Club, BVARC. Contact: Cass Germany, KG5IT, 713, 682-6897. o2

TEXAS: Oct. 14, at 6:30 PM. Location: Strake Jesuit H.S. Bellare @ Gessner. Pre-register, but walk-ins accepted. Sponsor: Brazos Valley Amateur Radio Club, BVARC. Contact: Cass Germany, KG5IT, 713, 682-6897. o1

VIRGINIA (GALAX) 2nd Thursday at 7PM at Twin County Regional Hospital Classroom 1. Sponsored by Briarpatch ARC. Contact: James Blythe, NX4B, 540, 236-8672, Galax or Bobby Waller, AC4SS, 540, 728-3432, Hillsville. o1

WASHINGTON (SULTAN) 3rd Sat. each month at 8:30 AM. Location: Dutch Cup Cafe, Sultan, WA 98294. Walk-ins. Sponsor: Sky Valley Amateur Radio Club ARRL/VEC. Contact: Dave Axe, 360, 793-2526. o1

WISCONSIN (RACINE) Exams are held the first Sat. of each month except January, July and August. 9AM to 11AM. Location: Red Cross Building, 4521 Taylor Ave., Racine, WI. Walk-ins. Sponsor: Racine Megacycle Club. Contact: Bob Jensen, W0WLN, 5616 Cambridge Ln. #6, Racine, WI 53406-2870. 414, 886-8551. o1

WISCONSIN (TOMAHAWK) Jan. thru Oct. '97, last Sat. each month. Register 8:30 AM, test 9AM. Location: St. Mary's School, Tomahawk, WI. Walk-ins. Sponsor: Tomahawk Repeater Association, 145.43 repeater. Contact: Terry Collins, KB9AUP, 715, 453-3707 days, 715, 453-4633 nites. o1

WISCONSIN (WISCONSIN DELLS) Nov. 1, at 9:30 AM. Location: Wisconsin Dells, WI. Walk-ins. Sponsor: W5YI-VEC. Contact: Steve Schwoegler, K9WD, 608, 254-2895. o2

5268 • WANTED MISCELLANEOUS

"WANTED: ALL MCINTOSH," Marantz, Scott, Fisher, tube-type amps, pre-amps, tuners (other brands also). Sequerra tuners, speakers: Altec, EV, JBL, Ionovacs, any brands with or without cabinets. Larry Zalar, 12052 W. Layton Ave., Greenfield, WI 53228. 414, 529-9805, eves. N9NBE. tf

TUBE TYPE GENERAL coverage receivers wanted. Alan, 520, 575-1960 or 970, 577-0677. o2

AUDIO STUFF WANTED: amplifiers, tubes, compressors, limiters, speakers, microphones, etc. "Free offer" 1-800, old-mics, 1-800, 653-6427. Great Wireless Museum. ja2

WANTED: HAM EQUIPMENT and related items. Donate excess gear in any condition. Will cover shipping charges. Raymond Young, NP3NA, PO Box 2400, Suite 117, Toa Baja, PR 00951-2400. o1

SYNCRON AU7A, S-10 mics. Altec T1-401, T1-402. Anything by Langevin. UTC transformers. Plug in amps by Altec, Gates, Fairchild, RCA, WE, etc. Richard Robinson, ph/fax 860, 276-8763. o1

NEW HAM WANTS TO purchase some used Ham gear. Also need cellphone conversion to 900MHz amateur band. Please send info to: Pamela Mikos, N1ZKH, 32 Prospect St., Spencer, MA 01562. o1

TRANSFORMERS ADC A5427A 314C Amertran 678 Stancor A8056 Thordarson T3773 T3S22 T90S13 T22S44 UTC HA135 HA106 WE 233G 264C other AFTs. 609, 426-9744 before 10PM Eastern time please. o1

WTB ICOM FILTERS FL-45 and FL-30 for 730. 423, 894-3402. o2

TUBE BROADCAST GEAR, all compressors, limiters, equalizers, consoles, microphones by RCA, AKG, Neumann, Altec, etc. Mike States, 907, 456-3419 ph/fax, mstates@polarnet.com

NEED WIRING DIAGRAM for Knight VTVM 83Y125 kit. Will pay for your help. John Phillips, KA9FNG, PO Box 161, Columbia City, IN 46725. 219, 248-2975. n1

WANTED: FREE HAM radio equipment to get started. Willing to accept any condition. Ship to Jerry Calloway, 121 Line Rd., Petersburg, IN 47567. n1

WANTED: KNIGHT KIT C-11 11M transceiver. Must be complete and dirt cheap. KA9GDL, 412 Radford, Sherman, Illinois 62684. 217, 496-3150. o2

BUYING NON-OP HF to UHF rigs, amps, two ways and receivers. Selling IC-740, Atlas 35-XL w/supply, Daiwa 500W tuner, Heath active antenna, HP-100 meg portable scope, power supplies and components. Motorola MRF-157 MOS-FETs, new. $300.00 a pair. 1200W out. Ron, 503, 769-5562. n2

5270 • WATT METERS (For Sale)

SELL: BIRD WATTMETERS. Line section and meter w/attachment cable. Complete less your slug $75 +shipping. Dan, 505, 269-2056 cell or wk: 505, 883-6250. o2

BIRD 43 WATTMETER w/2500H, 1000H, 250H, 25C, and 10D elements. $350.00. Icom PS-35 20 amp power supply. $140.00. Mirage model 106 220MHz 10/60W RF amp preamp. $125.00. 630, 653-4998. n2

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BOB SIMPLETON'S GUIDE TO MICHIGAN

brought to you by **Amateur Radio Trader**

Repeaters are one of the most exciting aspects of amateur radio. They make VHF & UHF communication cleaner and easier over long distance. They are also fun to build and experiment with.

Over the next few months, the Amateur Radio Trader will be presenting repeater maps for all fifty states. These maps are available in book form at your local Amateur radio store. Free listings of repeaters in each state is availble on the internet at http://www.artscipub.com. Forms to update repeater information are available on the internet at the same URL or you can use the form below All the maps and listing are available in the U.S. Repeater MapBook.

Update Form

Date:_____

Frequency / Repeater _____ MHz

System Location :

Your Name _____

Call Sign _____

Address _____

City _____ St. _____ Zip

Phone #( )

Relation to Repeater _____ (System owner, User, etc)

State_____

Nearest Major City_____

Direction from City N, NE, E, SE, S, SW, W, NW

Rep. Call Sign _____

Comments, (linked to, etc.) _____

Help data entry- use http://www.artscipub.com/repedit.html

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(818) 846-2298 FAX
P.O. Box 1428
Burbank, CA 91507

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BOB SIMPLETON'S GUIDE TO PL DECODING/SPEAKER MUTING

brought to you by *Amateur Radio Trader*

It is sometimes useful to keep your radio on at all times while waiting for an important call. However the chatter of other users may become a problem.

My good friend Bill likes to have his wife Jan monitor the base radio at home. During high radio traffic times, she will turn the volume down to avoid listening to others. It is then too low for her to hear Bill when he calls.

Bill put together this simple PL decoder circuit and attached it to his base radio. Now the radio speaker is disconnected unless the proper subaudable PL tone is used. Bill always transmits the correct PL tone when he wants to talk to Jan at home. He keep the base radio volume very high so Jan can hear him calling from almost anywhere in the house.

His circuit makes use of the popular TS-32 PL Decoder by Communication Specialists. Most repeater systems use this decoder because it is very reliable and simple to use.

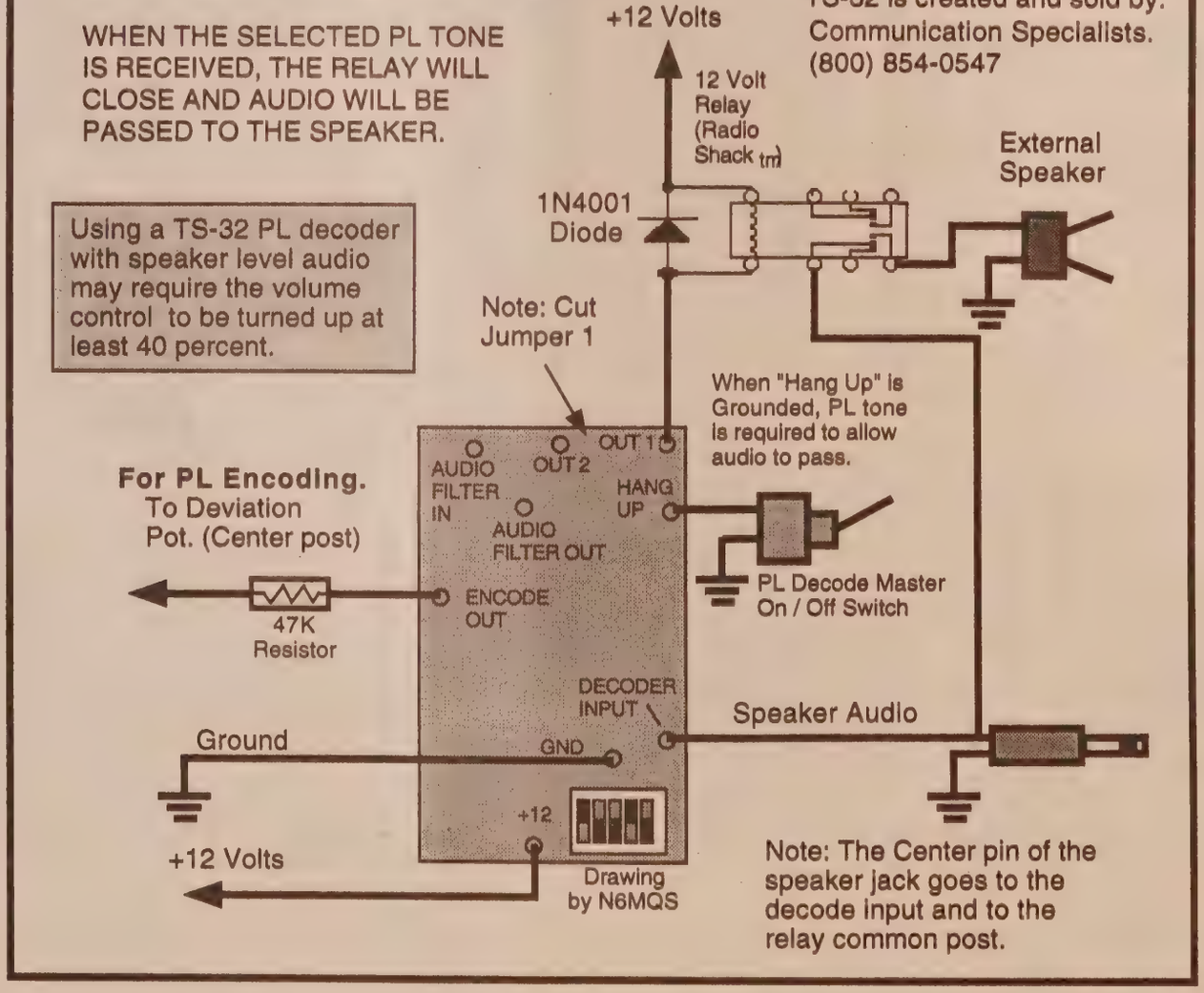
He has included a defeat switch to remove the PL requirement when using the radio for normal two-way communications. The TS-32 PL Decoder board has a special "HANG UP" pin that is grounded through the switch and will keep the relay triggered and all audio will pass to the speaker.

Bill suggested using the other side of the relay to activate a horn, buzzer or light of some kind. I built one of these circuits and used it in the car to flash a light when one of my friends call me. I see the light and turn the stereo down and answer the call. 73 and have some fun.

TS-32 HOOKUP

PL Decoder

TS-32 is created and sold by:
Communication Specialists.
(800) 854-0547


WHEN THE SELECTED PL TONE IS RECEIVED, THE RELAY WILL CLOSE AND AUDIO WILL BE PASSED TO THE SPEAKER.
+12 Volts
12 Volt Relay (Radio Shack tm)
External Speaker
1N4001 Diode
Using a TS-32 PL decoder with speaker level audio may require the volume control to be turned up at least 40 percent.
Note: Cut Jumper 1
When "Hang Up" is Grounded, PL tone is required to allow audio to pass.
OUT 1
OUT 2
AUDIO FILTER IN
AUDIO FILTER OUT
HANG UP
For PL Encoding.
To Deviation Pot. (Center post)
ENCODE OUT
47K Resistor
PL Decode Master On / Off Switch
DECODER INPUT
Speaker Audio
Ground
GND
+12
+12 Volts
Drawing by N6MQS
Note: The Center pin of the speaker jack goes to the decode input and to the relay common post.

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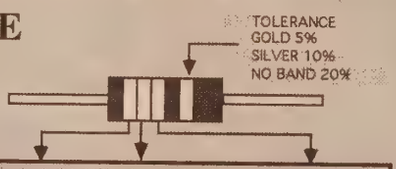
BOB SIMPLETON'S GUIDE TO COLOR CODES

brought to you by **Amateur Radio Trader**

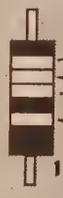
The electronic industry created a standard for color coding parts many, many years ago. The same color code is used on all different types of components. With a little effort, and a good memory, the basic color code can be memorized. In color code sequence is: BLACK, BROWN, RED, ORANGE, YELLOW, GREEN, BLUE, VIOLET, GRAY and WHITE. The number sequence that corresponses with the color code starts with zero; Black=0, Brown=1, Red=2, etc.

Components using color stripes and surface mount components use the 'significant' digit system paired with a multiplier digit, based on the powers of ten. An additional color stripe is also used to determine the accuracy or tolerance of the component. Higher accuracy components requires more significant digits to accurately describe the value. 5% accuracy parts use two 2 significent digits colors stripes followed by the multliper color stripe. 2% and 1% components often use 3 significent digit colors stripes .

RESISTOR COLOR CODE



Example



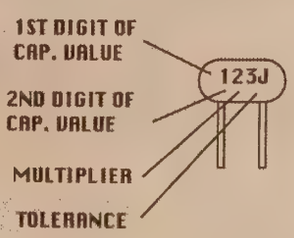
BROWN 1
BLACK 0
YELLOW
10,000
SILVER 10%
10 X 10,000 = 100,000 (100K)
OHMS

COLOR	1st DIGIT	2nd DIGIT	MULTIPLY BY
BLACK	0	0	1
BROWN	1	1	10
RED	2	2	100
ORANGE	3	3	1,000
YELLOW	4	4	10,000
GREEN	5	5	100,000
BLUE	6	6	1,000,000
VIOLET	7	7	10,000,000
GRAY	8	8	100,000,000
WHITE	9	9	1,000,000,00
GOLD			0
SILVER			.1
			.01

Resistor standard values (significant digits)

10	brown	black	33	orange	orange
11	brown	brown	36	orange	blue
12	brown	red	39	orange	white
13	brown	orange	43	yellow	orange
15	brown	green	47	yellow	purple
16	brown	blue	51	green	brown
18	brown	gray	56	green	blue
20	red	black	62	blue	red
22	red	red	68	blue	gray
24	red	yellow	75	purple	green
27	red	purple	82	gray	red
30	orange	black	91	white	brown

CAPACITORS



MULTIPLIER		TOLERANCE		
	MULTIPLY BY		10pF or less	over 10pF
0	1	B	0.1pF	
1	10	C	0.25pF	
2	100	D	0.5pF	
3	1,000	F	1.0pf	1%
4	10,000	G	2.0pf	2%
5	100,000	H		3%
		J		5%
8	.01	K		10%
9	0.1	M		20%

Most common resistors are in the 5 to 10% tolerance range. Silver is used for 10% and gold is used for 5%. 20% resistors have no tolerance color bar.

One very common resistor is color coded: red red orange gold. Take a moment and see if you can use the attached resistor table and calculate the value..

If you calculated a 22,000, 5% resistor, you are correct. It is calculated like this: 22 x 10^3 = 22,000. What possible readings would you expect if you connected this resistor to an ohm meter?

Since it is a 5% tolerance resistor, the measured value will be between 20,900 and 23,100 ohms. That is calculated be allow 5% above and below the stated value.

Surface mount resistors do not use color stripes. The 2 significent digits and multiplier digit are printed right on the top of the component. These components are very, very small. The printed digits are often so small, you may need a magnifying glass to read them.

A surface mount resistor marked 103 would be a 10,000 ohm resistor (10k ohms). For everyone interested in mathematics, the formula is 10 x 10^3 = 10,000

A little practice will make reading resistors and other electronic componets easy as pi. 73, Bob

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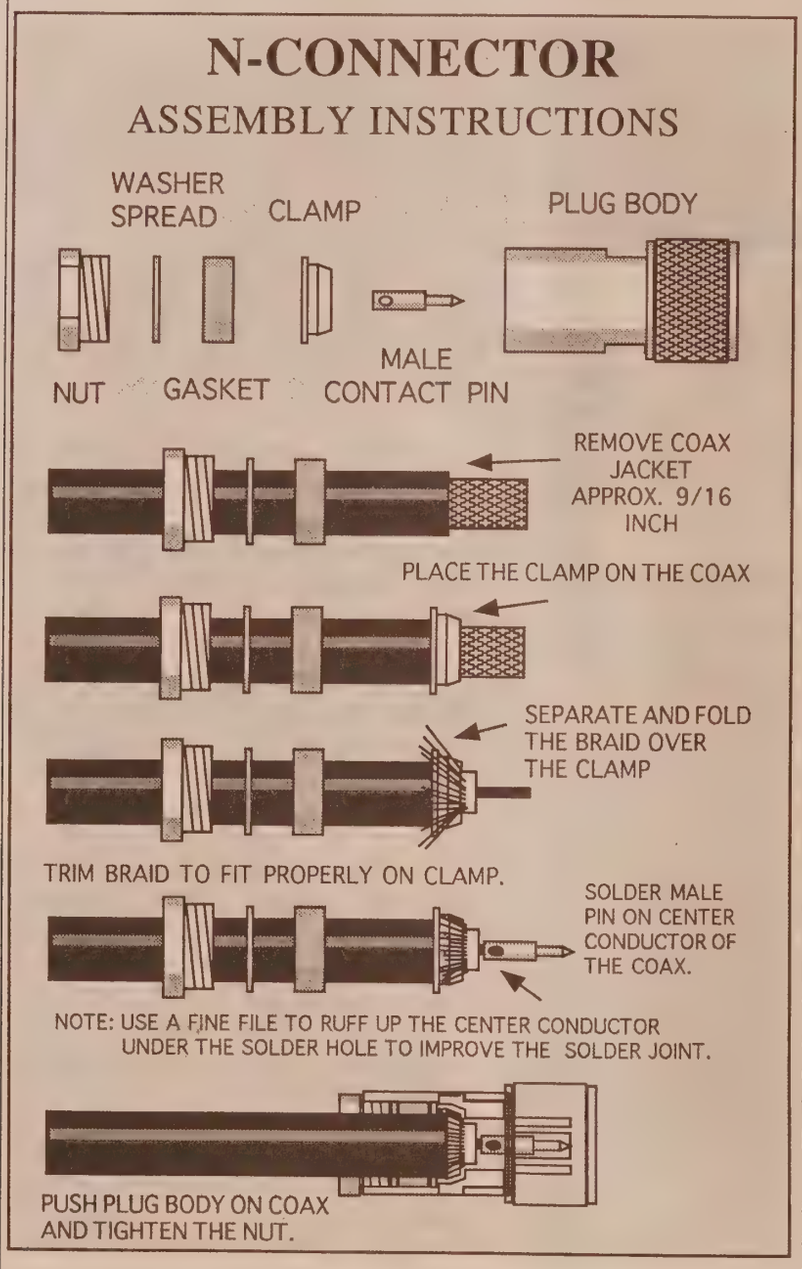
BOB SIMPLETON'S GUIDE TO N - CONNECTORS

brought to you by *Amateur Radio Trader*

The best connector you can use on the larger sized coax cables is the "N style" connector. It provides the best impedance match when connecting a coax cable to other devices. Its improved shielding helps to prevent any RF leakage and is a better weatherproof connector. However, unlike the simple PL connector, the "N style" has more parts and requires some exact preparations. If you are using frequencies below 200 MHz, you probably don't need to use an N style connector. However, once you start using the UHF frequencies, N connectors are a must.

You will need a soldering iron or gun, a good pair of wire cutters, two wrenches and a razor blade. If you are using a coax that has a solid center conductor, you will need a metal file.


N-CONNECTOR
ASSEMBLY INSTRUCTIONS
WASHER SPREAD
CLAMP
PLUG BODY
NUT
GASKET
MALE CONTACT PIN
REMOVE COAX JACKET APPROX. 9/16 INCH
PLACE THE CLAMP ON THE COAX
SEPARATE AND FOLD THE BRAID OVER THE CLAMP
TRIM BRAID TO FIT PROPERLY ON CLAMP.
SOLDER MALE PIN ON CENTER CONDUCTOR OF THE COAX.
NOTE: USE A FINE FILE TO RUFF UP THE CENTER CONDUCTOR UNDER THE SOLDER HOLE TO IMPROVE THE SOLDER JOINT.
PUSH PLUG BODY ON COAX AND TIGHTEN THE NUT.

Start by sliding the nut, washer and gasket onto the coax. Unlike the PL connector, if you forget to start with these parts, you will be able to force them on later, but you'll still hate yourself for forgetting.

Strip off about 9/16" of the outer jacket and then place the clamp over the shield. It should stop where the jacket starts. Separate the shield and comb it back over the clamp.

Use a good pair of wire cutters and trim the combed shield to meet the lip of the clamp. Excess shield will cause too much friction when you press on the main body of the connector. You also want to make sure no excess shield can travel up and cause a short with the center conductor.

We are almost done, but now we need to install the male pin to the center conductor of the coax.

First, slide the pin onto the center conductor and then temporarily slide the main body of the connector on to see if the center pin is flush with the end of the connector. You do not want the pin to extend outside the the connector. You can trim the center conductor back to adjust the position of the pin.

If you are using a coax with a solid center conductor, you should use a metal file to rough up the smooth surface. This will allow it to bond with the solder and hold the contact pin firmly. If the center pin becomes loose while you are using the coax, all the benefits of the N connector are lost. You may file a groove into the center conductor to allow more solder to bond inside the pin.

Place the pin on the center conductor and solder it in place. The pin will have a hole to allow solder to flow inside and bond to the center conductor.

Make sure the shield is combed over the clamp and press the plug body onto the coax. Guide the nut, washer and gasket in place. Use two wrenches to secure the nut into the plug body. Hold the plug body and lighten the nut; if you twist the plug body, you might twist the combed braid and short it to the center conductor.

When you are done, the N connector should feel firm on the coax. It should not twist or move. The center pin should be flush with the end of the connector and firmly attached. Use a volt/ohm meter to verify there are no shorts. Good luck! Remember, it's got to be fun - it's a hobby!

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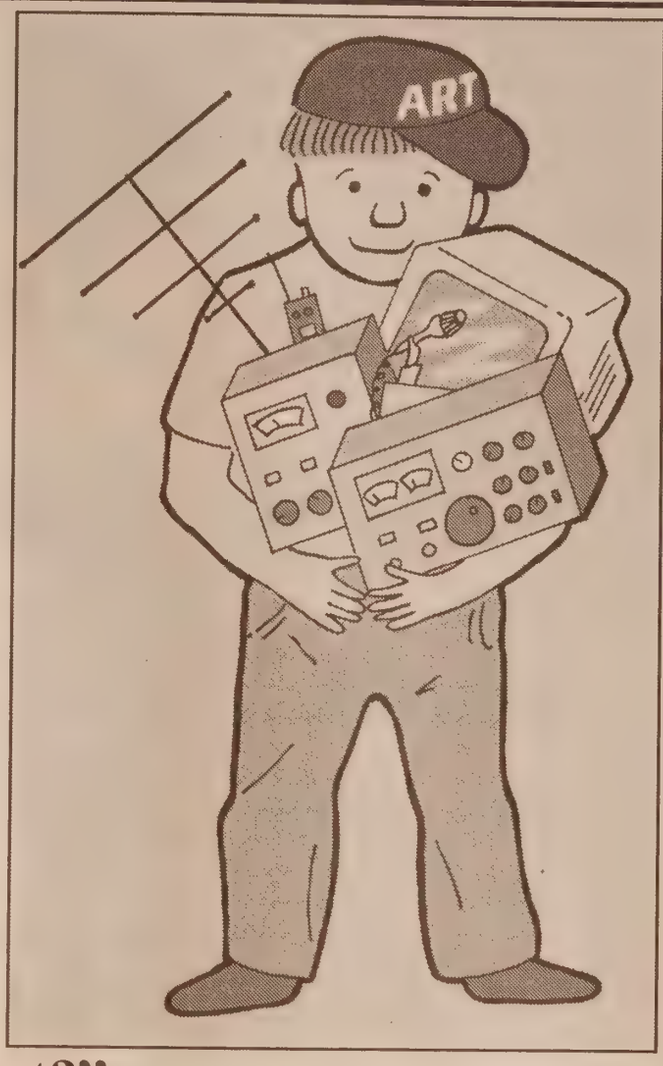

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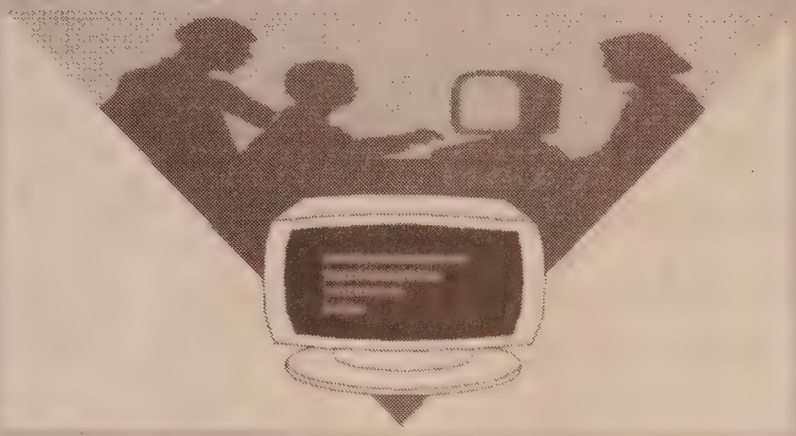

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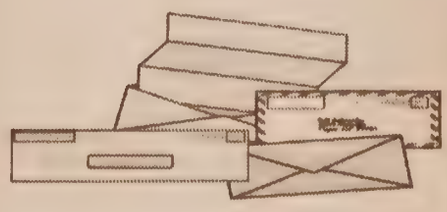

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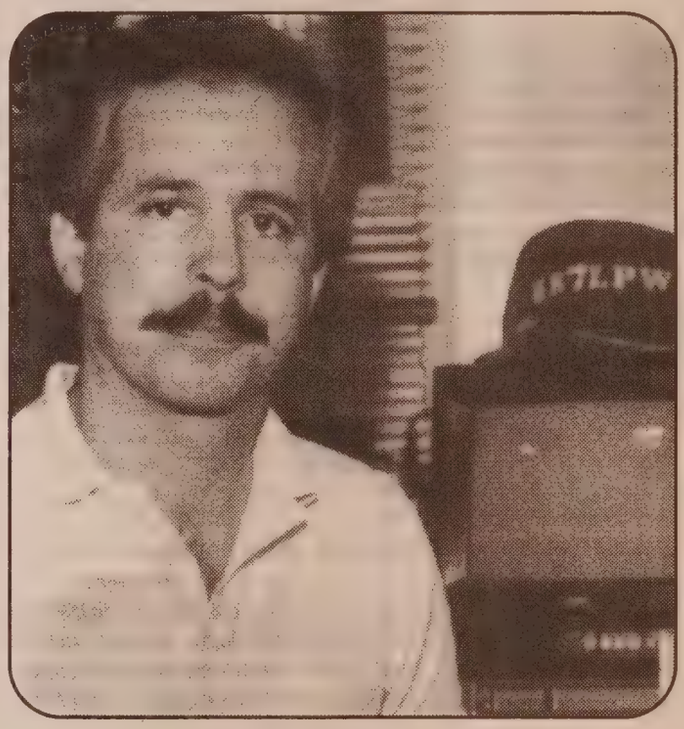

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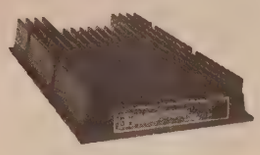

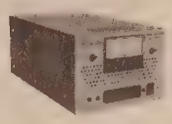

Models shown have meter option installed

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DXR SERIES

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DXP-V175	2 meter	50W/175W	$329.00	DXR-V175_	2 meter	50W/175W	$629.00
DXP-V220	220 MHz	20W/150W	$369.00	DXR-V220_	220 MHz	20W/150W	$659.00
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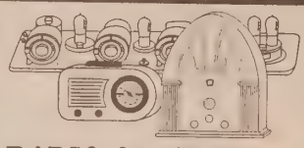

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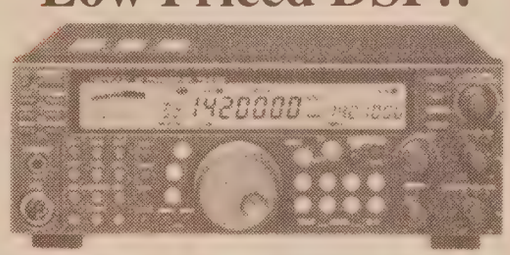

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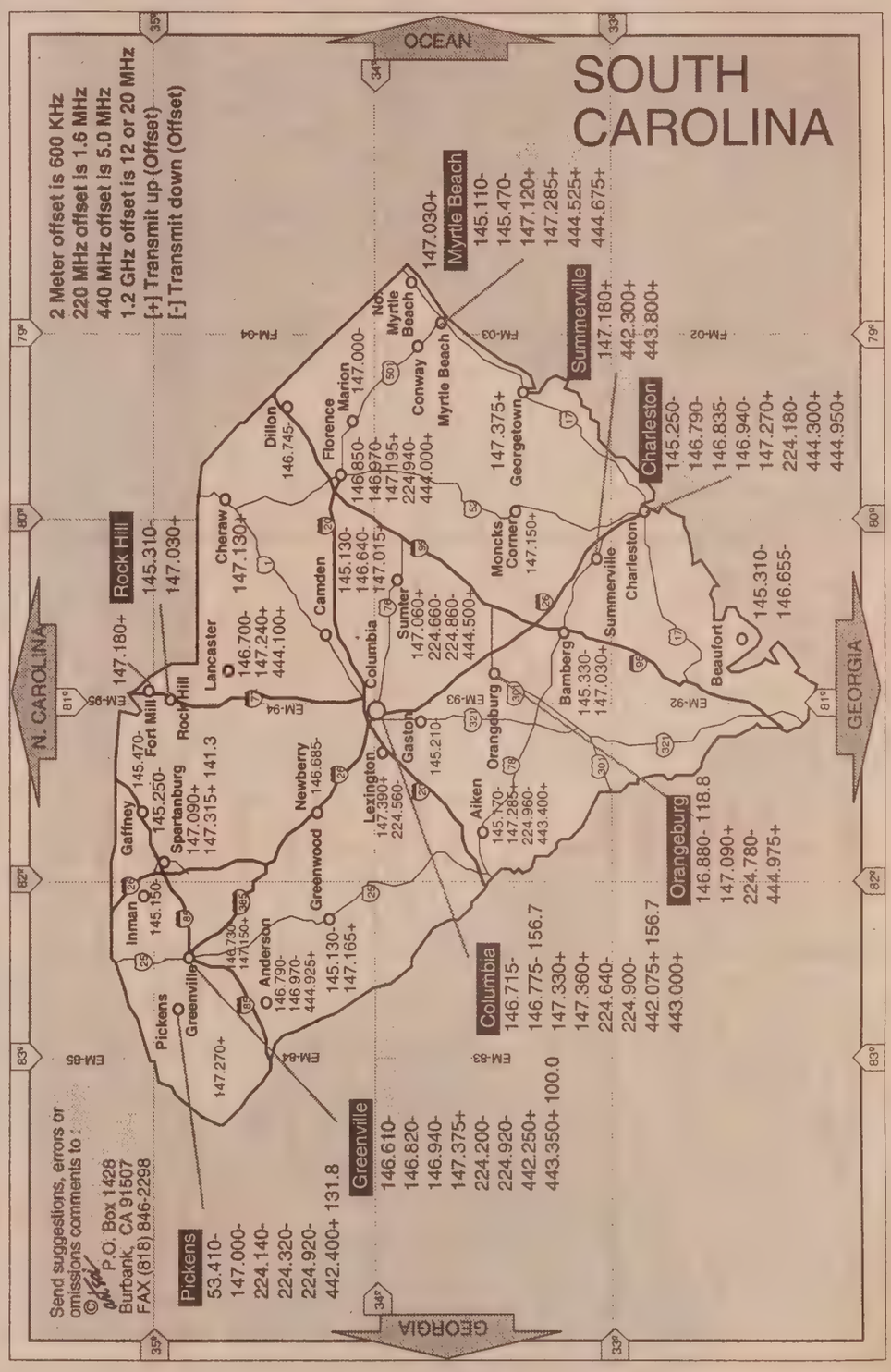

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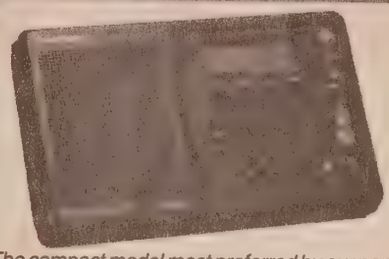

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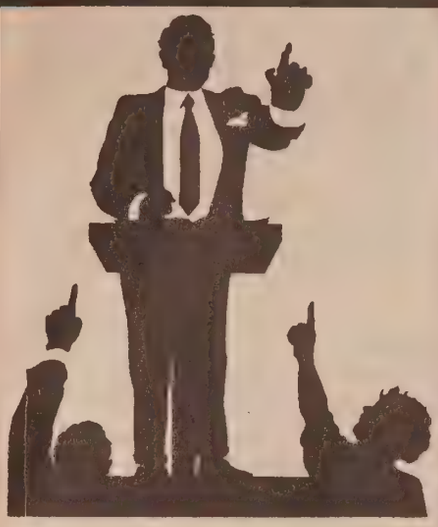

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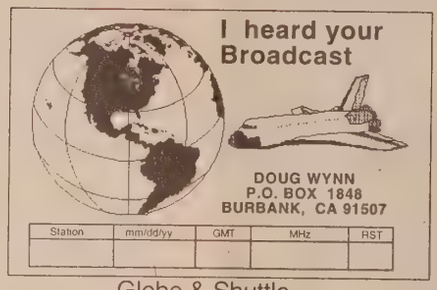

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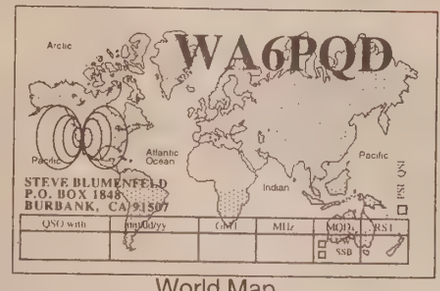

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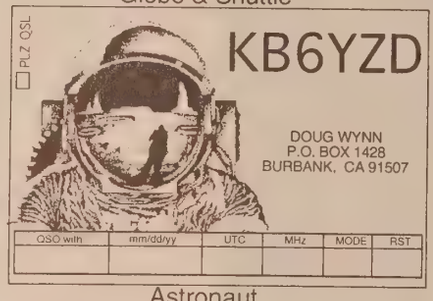

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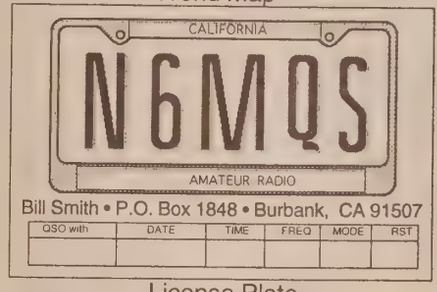

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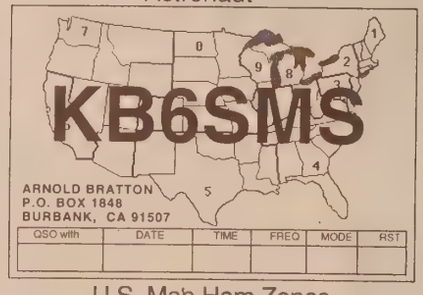

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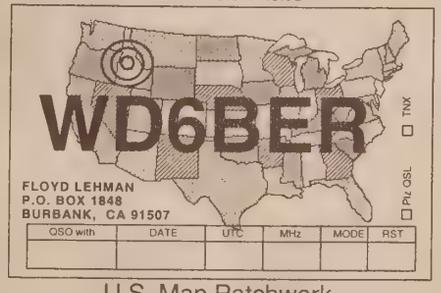

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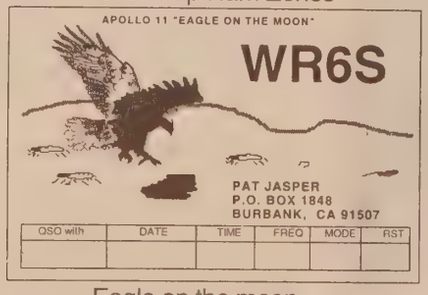

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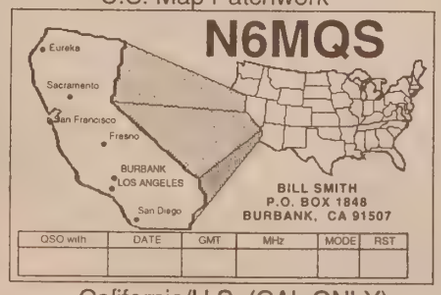

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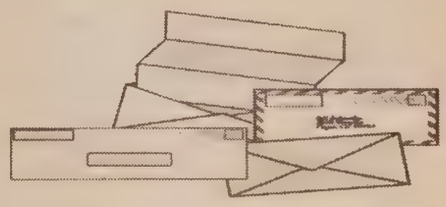

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Date:_____

Frequency / Repeater_____ MHz

System Location :

State_____

Nearest Major City_____

Direction from City N, NE, E, SE, S, SW, W, NW

Rep. Call Sign_____

Comments, (linked to, etc.) _____

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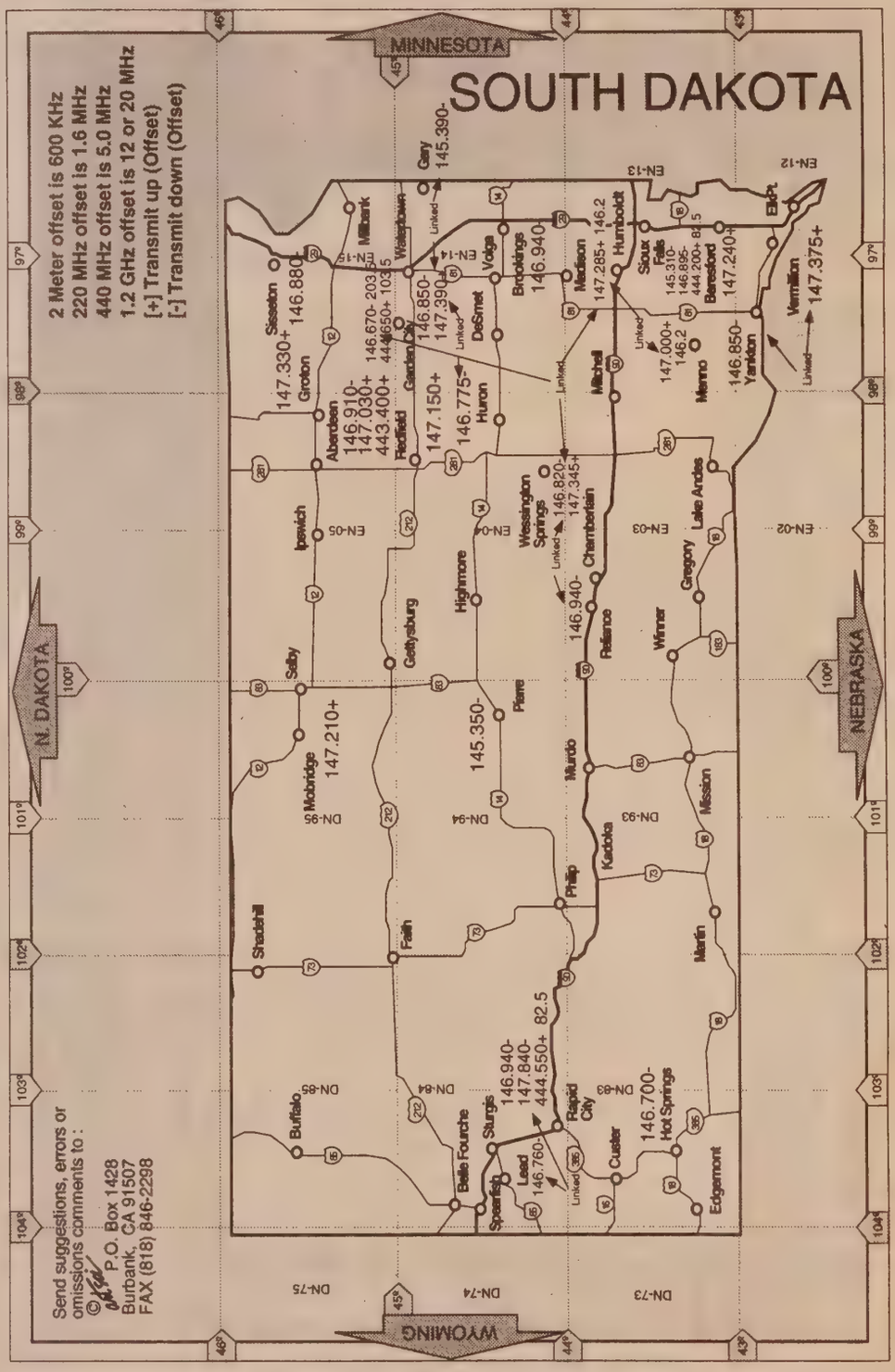

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System Location : _____

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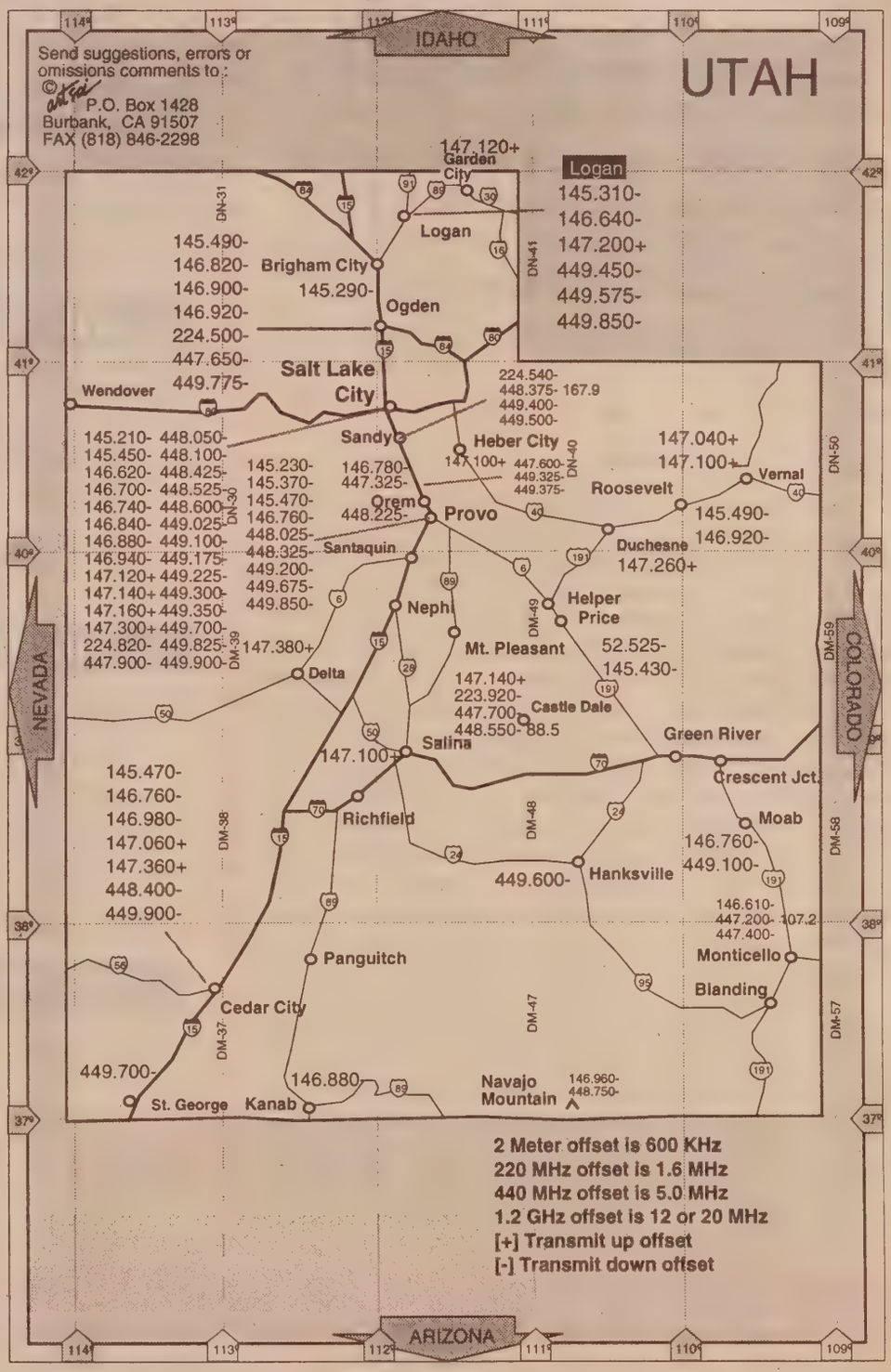

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Call Sign _____

Address_____

City_____ St. Zip

Phone # ( )

Relation to Repeater_____ (System owner, User, etc)

Date:_____

Frequency / Repeater_____ MHz

System Location :

State_____

Nearest Major City_____

Direction from City N, NE, E, SE, S, SW, W, NW

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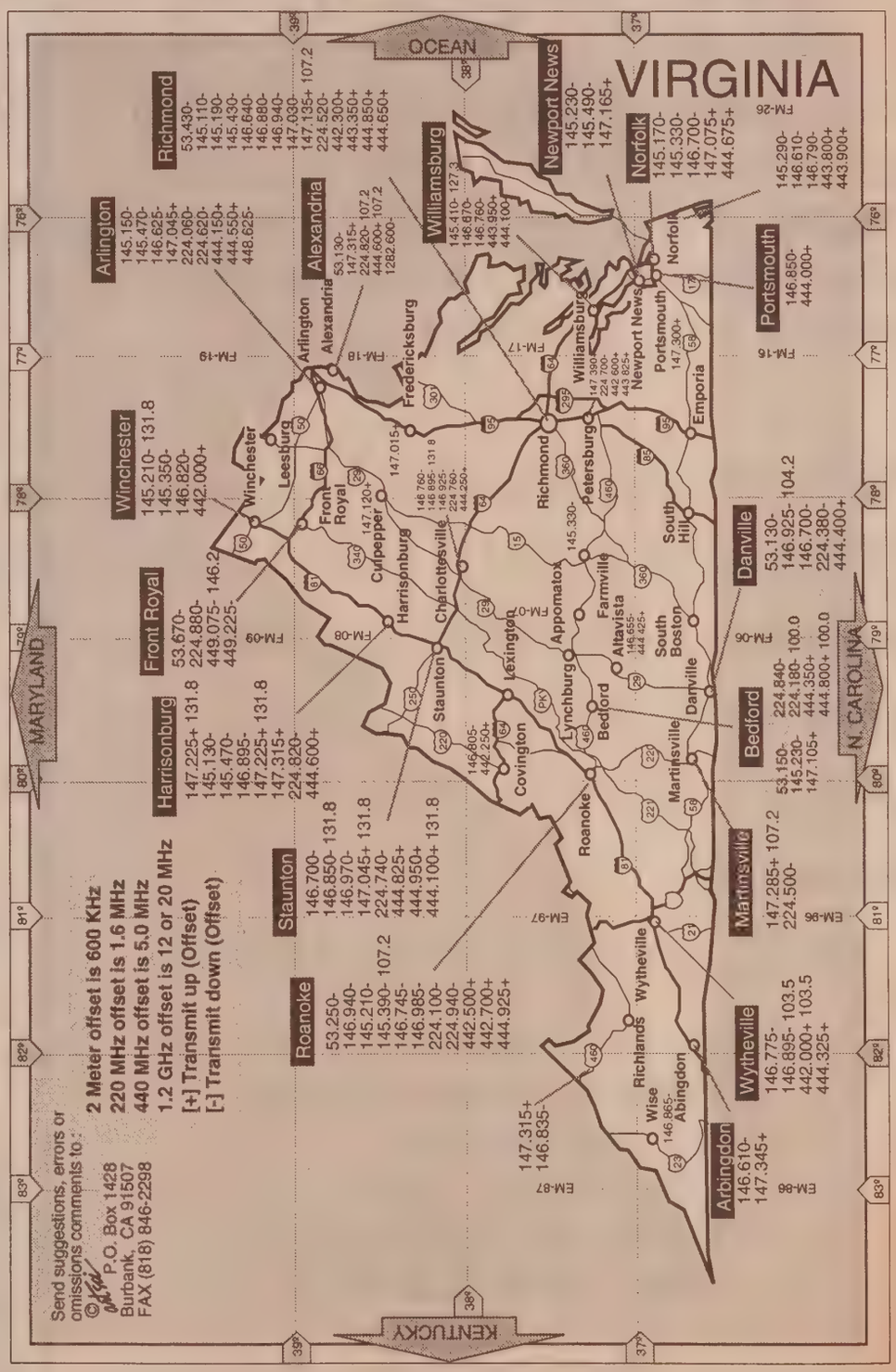

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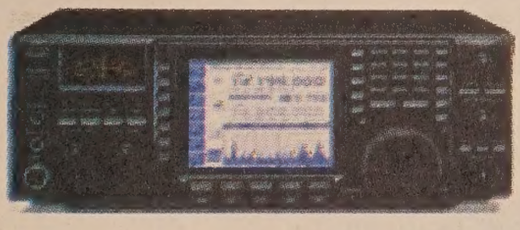
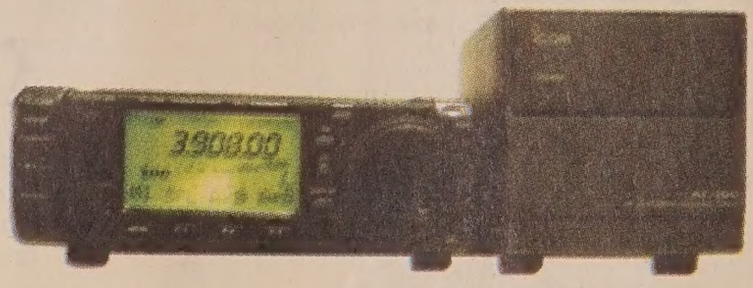


ICOM IC-756 Features include:

- 160-6 meter 100 watt HF base station
- A new look with a 4.9 inch multi-function LCD display supporting "soft-keys": it does all the usual things plus has a spectrum scope, memory contents display, set mode condition list and memory keyer contents display.
- Newly designed IF DSP with noise reduction, automatic notch, PSN modulation/demodulation and selectable APF.
- Twin Passband Tuning (synchronized with DSP)
- Dual Watch (2 frequencies in the same band)
- High performance memory keyer with contest count and auto repeat functions plus memory content editing.
- Built-in antenna tuner covering HF/6 meters with memories
- Morse code announcements of signal strength, operating frequency, and mode (good for visually impaired).



ICOM IC-706 MKII

160-2M 100W/HF 20W/2M
Compact mobile transceiver!

SPECIAL OFFER!!!!
Get the ICOM AT-160
160-10 meter autotuner
Special Pricing $239.95

works with IC-707, 725, 735 with cables supplied
Also IC-706 & IC-706MKII (optional OPC-599 required)

For all of your Icom America Equipment, Just call us!

We give TOP TRADE ALLOWANCES and handle all Major Brands!

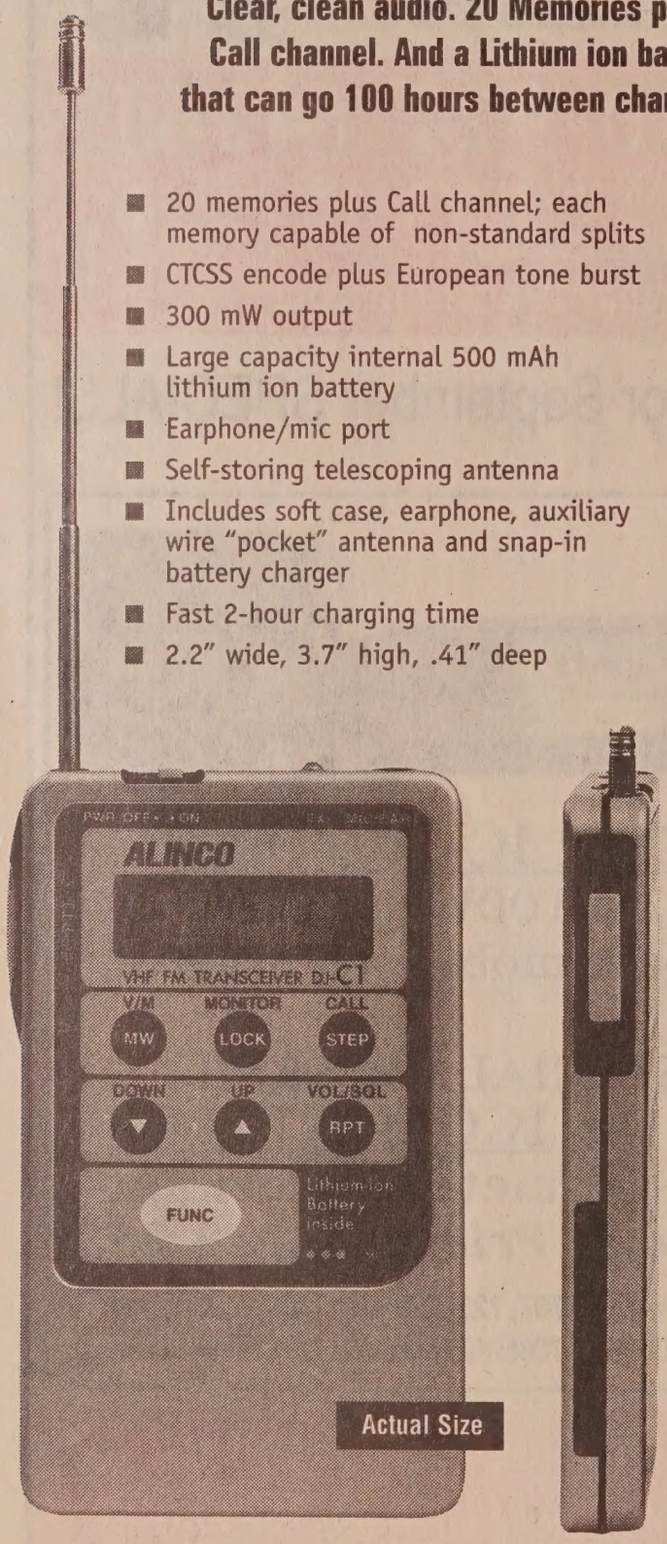
We sell Reconditioned and Guaranteed USED EQUIPMENT!

Call or Write Today for our Catalog / Used Listing!

"Beyond Amazing"
Alinco Presents The Mini HT

So slim, *it hides in a shirt pocket.* Power to work repeaters many miles away. Clear, clean audio. 20 Memories plus a Call channel. And a Lithium ion battery that can go 100 hours between charges!

- 20 memories plus Call channel; each memory capable of non-standard splits
- CTCSS encode plus European tone burst
- 300 mW output
- Large capacity internal 500 mAh lithium ion battery
- Earphone/mic port
- Self-storing telescoping antenna
- Includes soft case, earphone, auxiliary wire "pocket" antenna and snap-in battery charger
- Fast 2-hour charging time
- 2.2" wide, 3.7" high, .41" deep



Alinco DJ-C1T 2 Meter (144 Mhz) Mini HT

- 144 ~ 147.995 MHz transmit range
- Extended receive 118 ~174 MHz including air band (AM)

Alinco DJ-C4T 70 cm (440 Mhz) Mini HT

- 420 ~ 449.995 MHz transmit range

The Alinco DJ-C1T and DJ-C4T represent breakthroughs in mini-radio technology. About the size of a credit card, one can be carried in pocket or purse. With it, you're ready to communicate anytime. Whether you're in business attire or running a marathon, these small, lightweight radios are easy to carry and easier to operate.

You'll be amazed at the clean, crisp audio. The lithium ion battery is a revolution in power technology, going as long as 100 hours between charges. Be prepared to answer questions from other hams who see your DJ-C1T or DJ-C4T – even seasoned "veterans" have termed these radios "beyond amazing." The only thing we can add to that, is the low Alinco price!

Accessories Available

EDS-7 Adaptor Cable for use with speaker mics and headsets
EDC-36 Mobile charger
EMS-9Z speaker mic (requires EDS-7)
EMS-41 speaker mic (requires EDS-7)

Simple ■ Clean ■ Dependable

ALINCO®

AMATEUR RADIO'S VALUE LEADER℠

U.S.A. Alinco Branch
438 Amapola Ave. • Suite 130 • Torrance, CA 90501
Phone: (310) 618-8616 • Fax: (310) 618-8758
Internet: http: //www.alinco.com

Specifications subject to change without notice or obligation. Performance specifications only apply to the Amateur bands. Products intended for use only by properly licensed Amateur Radio operators.

These devices have not been approved by the Federal Communications Commission. They are not, and may not be,offered for sale or lease until the approval of the FCC has been obtained.

Get A Grip On Standard's Hand-Helds!

C510A

C510A 2 Meter & 440MHz The Deluxe Dual-Band HT

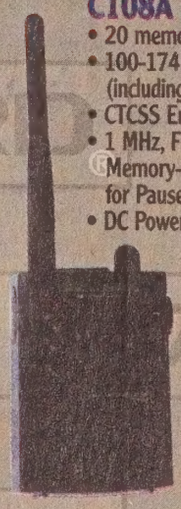
- 1w-2m and 1w-70cm
- 200 memories + VFO and Call
- CTCSS 39 tones –Encode/Decode
- Freq steps 5, 10, 12.5, 15, 20, 25, 30 and 50
- Scanning-busy, pause or hold
- 1750 burst

C508A

C508A 2 Meter & 440MHz Dual Band

VHF & UHF IN YOUR SHIRT POCKET

- 280 mW with 2-AA batteries
- 60 memories
- 100-180, 340-400 & 400-480MHz extended receive (including AM aircraft band)
- CTCSS Encode/Decode
- 22 menu selections
- Scanning-busy, pause or hold
- Freq steps 5, 10, 12.5, 15, 20, 25, 30 and 50



C108A

C108A 2M & Very Small HT

- 20 memories
- 100-174 0MHz extended receive (including AM aircraft band)
- CTCSS Encode 23 tones
- 1 MHz, Full Range, Memory, and Memory-Scan-Memory: Programmable for Pause & Busy
- DC Power: 2 alkaline AA penlight cells

C188A
C288A

C188A 2 Meters The Slim-Line HT

- Fits in your shirt pocket!
- 5W at 12VDC
- 40+ memories (or optional 200+memories with snap-in chip)
- 115-174MHz extended receive (including AM air band)
- CTCSS Encode/Decode
- DTMF squelch with Paging
- Scanning-busy, pause or hold

C288A 220 MHz Slim-Line HT

- Same as C188A but for the 1 1/4 meter band
- 115-249 MHz extended receive
- TX 220 MHz band

C628A

C628A 70 cm & 23 cm The Deluxe Twin-Band HT

- 5W 70 cm, 1W 23 cm at 12VDC
- 40 memories 20 + 20 "limited"
- CTCSS Encode/Decode
- DTMF squelch with Paging
- Scanning-busy, pause or hold
- RIT on 23 cm

C168A

C168A 3 Meters The Deluxe small HT

- 5 watts at 12VDC
- 40+ memories (optional 200+ memories with plug-in chip)
- 115 to 174MHz extended receive (including AM aircraft band)
- CTCSS Encode/Decode
- DTMF squelch with Paging
- Scanning-busy, pause or hold

C178A

C178A 2 Meters (+low power 440) The Deluxe Dual-Band HT

- Single-Band Price
- 5W (2M) at 12VDC & 50mW (440)
- 40+ memories (opt 200+ with plug-in chip)
- 110-174 & 320-474MHz extended Rx (including AM air band)
- CTCSS Encode/Decode
- DTMF squelch with Paging
- Scanning-busy, pause or hold

C156A

C156A 2m Transceiver

STANDARD'S QUALITY! STANDARD'S FEATURES! EVERYBODY'S PRICE!

- 5 watts high power
- 100 memories
- 135 to 174MHz extended receive
- Clear Dot-Matrix display with alpha-numeric ID
- CTCSS Encode built-in
- 9 DTMF memories
- Scanning-busy, pause or hold
- Auto repeat offset
- Built-in 1750 Tone Burst
- Auto-Power-Off 30, 60, 90 or 120 min

STANDARD'S ON THE WEB!

HTTP://WWW.STDRADIO.COM

C558A

C558A 2 Meter & 440MHz Elegance, Balance and Twin-Band Performance

- 5W at 12VDC
- 40+ memories (opt. 200+ memories with plug-in chip)
- 115-174 & 340-474MHz extended receive (including AM aircraft band)
- CTCSS Encode/Decode
- DTMF squelch with Paging
- Scanning-busy, pause or hold

SR STANDARD®

For more information on this and other STANDARD products, please contact your nearest STANDARD dealer. Specifications, price and features are subject to change without obligation or notice. Standard Amateur Radio Products, Inc. P.O. Box 48480, Niles, Illinois 60714. Tel (773) 763-0081 Fax (773) 763-3377

- **GREAT AUDIO THAT FITS MOST ANYWHERE!**
- 45 W VHF (2M), 35 W UHF (440 MHz)
- One Touch Band Selection
- Wide Band Rx (Air Band, Too!)
- 9600 BPS Packet Ready (6 pin connection point)
- CTCSS Encode/Decode
- 162 Memory Channels
- High Scan Speeds
- Built-In Duplexer
- Auto Repeater
- Optional Infrared Wireless Mic (opts. HM-90 + EX-1759)

PC Ready!

ICOM options required for PC cloning:
CS-207 Cloning Software,
OPC-646 Cloning cable
A third party 6-pin serial cable is required for PC packet connection.

←Under 4 1/2 inches wide!→
Front Panel: 4 11/32 (w) x 1 17/32 (h) x 1 1/16 (d)

IC-207H
Easy Dual Bander

ICOM MOBILE
FREE Separation Cable

Get a FREE OPC-600 separation cable when you purchase a new IC-207H or IC-2710H from an authorized ICOM America dealer between September 20, 1997 and December 31, 1997.

To receive your free OPC-600 separation cable, complete an ICOM America manufacturer's rebate coupon (available from an authorized dealer), and mail it in along with a copy of your dated sales receipt and your warranty card to ICOM America Free OPC-600 Offer, 2380-116th Ave NE, Bellevue, WA 98004. Allow 4 - 6 weeks for delivery. All submissions must be postmarked by January 31, 1998. U.S. and Canada residents only.

PC Ready!

ICOM options required for PC cloning:
CS-2710 Cloning Software,
OPC-646 Cloning cable.
A third party 6-pin serial cable is required for PC packet connection.

IC-2710H
Advanced Dual Bander

- **"BULLET PROOF" CONSTRUCTION!**
- 50 W VHF (2M), 35 W UHF (440 MHz)
- Wide Band Rx (Air Band, Too!)
- Independent Band Display Readouts, Volume and Squelch Knobs, and Function Switches
- 50 CTCSS Frequencies
- V/V, U/U Simultaneous Receive
- 220 Memory Channels
- High Speed Scanning
- Programmed Scan (with 3 scan edges) and Memory Scan Functions
- Built-In Duplexer
- Pager, Tone Squelch and External DTMF Control Via Sub Band (opt. UT-49)
- Pocket Beep and Tone Squelch (opt. UT-104)
- Optional Infrared Wireless Mic (opts. HM-90 + EX-1759)

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